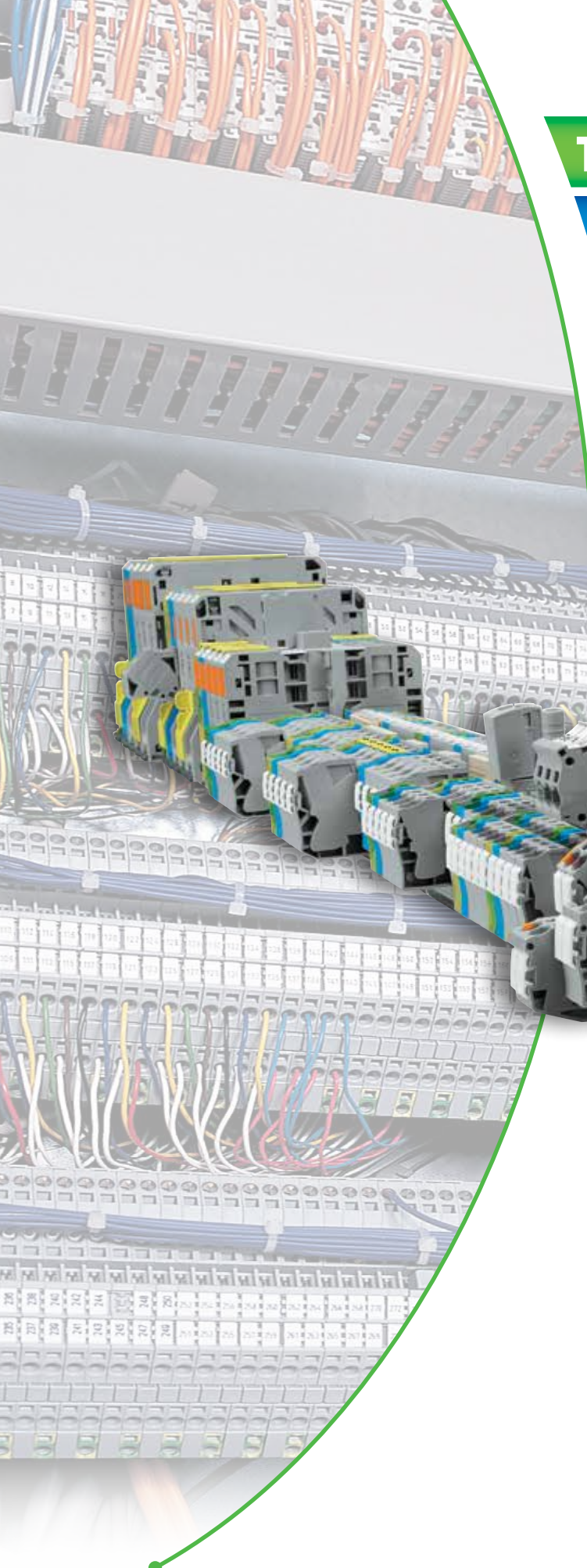
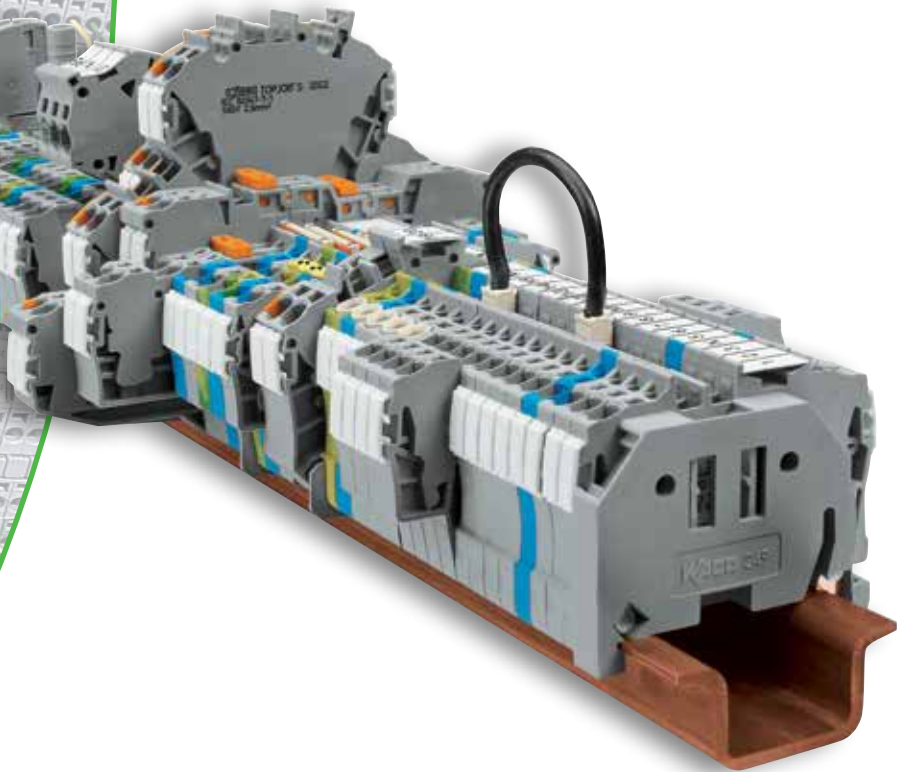




TOPJOB®

The new standard for rail-mounted terminal blocks



WAGO®
INNOVATIVE CONNECTIONS



● The range of rail-mounted terminal blocks for a perfect electrical installation

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Simply smaller

- The new standard for rail-mounted terminal blocks



up to
30%
smaller

- TOPJOB®S DIN 35 rail-mounted terminal blocks with CAGE CLAMP®S technology are the smallest on the market resulting in a space saving of up to 30%.

The reduction of panel space, smaller enclosures and junction boxes are just some of the cost savings that can be realized.

Simply push-in

- For solid conductors or fine-stranded conductors with ferrules



ferruled wires



solid wires

Stripped solid conductors, stranded conductors with ferrules, or ultrasonically "bonded" conductors are easily connected by simply pushing the wire into the wire entry – no tools.

For conductors rated AWG 20 to AWG 4 – **this is a significant time and cost saving!**

Wire connection – Push-in connection

Solid wires ranging from at least two sizes below to one size above the rated cross section can be pushed in directly without tools.

Stranded conductors with ferrules ranging from at least two sizes below the rated cross section up to the rated cross section can also be easily inserted without using any tools.

Wire connection using a screwdriver

Connecting stranded conductors without ferrules or small cross-sectional conductors that cannot be pushed in, is done similar to the original CAGE CLAMP®, using a screwdriver.

The smart feature

To open the clamp, the screwdriver is inserted from the vertical and the conductor entry is less than 15 degrees resulting in easier wiring.

stranded wires



15°

Wire removal

In all cases, the conductor is removed using a screwdriver, like the original CAGE CLAMP®.

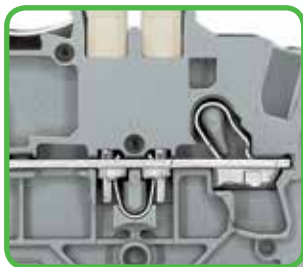
Simply jumpered

The comb-style jumper system is based on the common plug and socket principle. Each terminal block is spring loaded with a double socket and a resilient CrNi steel spring. The jumper contact is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground (earth) terminal blocks can also be commoned using the same jumper system. Alternate or staggered jumpers can be made in the field by simply breaking and removing jumper contacts.

The smart feature

Jumper slots can also be used for :

- push-in type jumper bars and step-down jumpers
- test plug adapters and testing taps or
- preharnessed plugs for connection of subassemblies

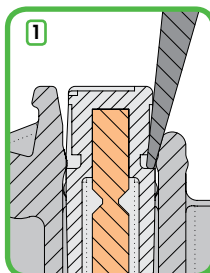


800V
 600V
 550V **Factory Configured**

Removal of jumper

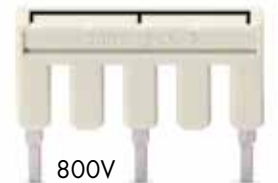
Insert the screwdriver blade between the jumper and the partition wall of the dual jumper slots and lift up the jumper.

Using jumpers with maximum 5 contacts, place the screwdriver in the center of the jumper (see ill. 3). For more than 5-way jumpers, place the screwdriver alternating at both ends of the jumper.



500V
 300V
Field Modified

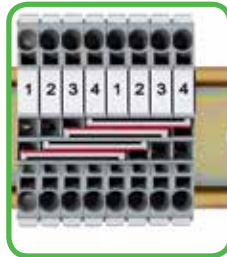
Motor Wiring



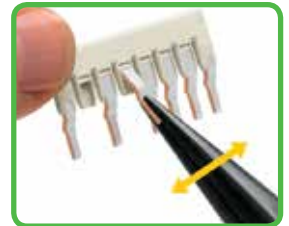
Combining the flexibility of the jumper system with a DIN rail mount holder for jumpers allows a single row of terminal blocks to be configured for "wye" or "delta" wiring of three phase motors.

Simply commoned with staggered jumpers

Unique to WAGO, TOPJOB®S staggered jumpers allow two jumpers to be used in each jumper slot of the 2002 Series TOPJOB®S rail-mounted terminal blocks and 2003 Series multilevel installation terminal blocks. This means that four different potentials can be commoned simultaneously using rail-mounted terminal blocks with dual jumper slots (Ex: L1, L2, L3, GND or s, +, -, shield).



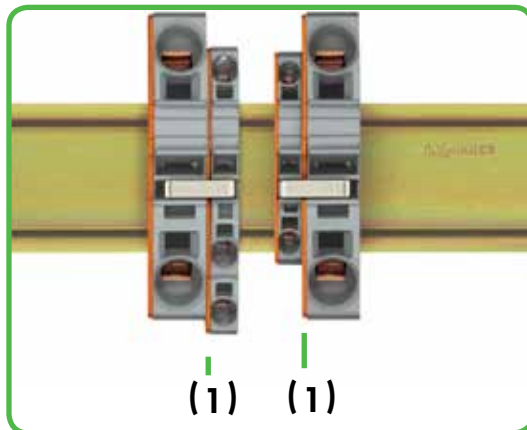
Insert the staggered jumpers so that the red lines of both jumpers are facing each other.



Custom staggered jumpers are created by breaking off individual jumper contacts. Make sure that only one contact lug is in contact with the terminal block.

Simply jumpered

with step-down jumpers



An end plate (1) must always be applied between the terminal blocks to be **commoned with step-down jumpers**.

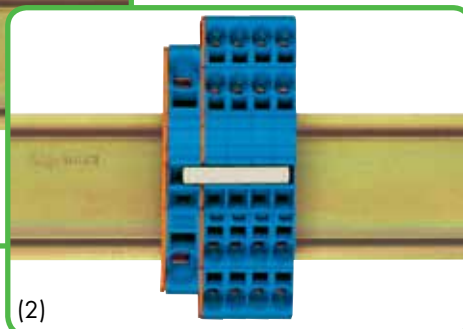
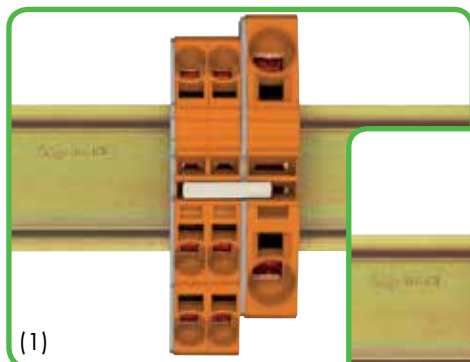
Note

The total current across all jumpered terminals cannot exceed the rating of the step-down jumper or push-in type jumper bar.

The step-down jumper 2016-499 is suitable for commoning the 2016 or 2010 series terminal blocks with the 2010, 2006, 2004 or 2002 series.

The step-down jumper 2006-499 is suitable for commoning the 2006 or 2004 series terminal blocks with the 2004, 2002 or 2001 series.

with push-in type jumper bars



When commoning on the open side of the block using an end plate, series 2010 and 2006 terminal blocks can be commoned with terminal blocks rated two sizes below the rated cross section and series 2004, 2002 and 2001 terminal blocks can be commoned with terminal blocks rated one size below the rated cross section. For example, series 2010 terminal blocks can be commoned with series 2004 terminal blocks (see ill.1) or series 2006 terminal blocks with series 2002 terminal blocks.

When commoning on the back side of the block using an end plate, terminal blocks can be commoned with terminal blocks rated two sizes below the rated cross section. For example, series 2010 terminal blocks can be commoned with series 2004 terminal blocks or series 2004 terminal blocks with series 2001 terminal blocks (see ill. 2).

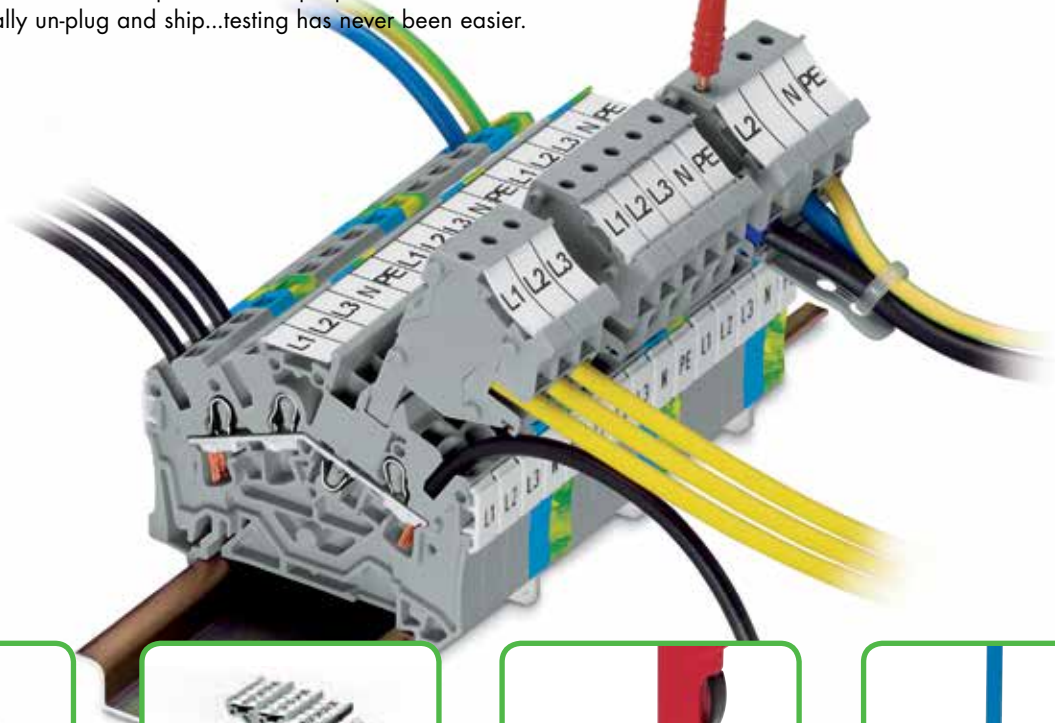
Simply tested

• with jumper slot or conductor entry way for connectors

Testing with WAGO's TOPJOB®S has never been easier...using convenient test plug adapter, test plug tap or modular test plugs...for insertion into either the jumper slot location or directly into the conductor entry way.

Test plug modules contain the CAGE CLAMP®S for direct insertion of solid or ferruled wires with screw driver actuation for stranded wire. Simply snap together the number of poles required (spacers also available), pre-wire as a test harness and then push-in to the jumper or conductor location to test. Then finally un-plug and ship...testing has never been easier.

Note: Disconnected connectors should not be live. Furthermore, connectors used according to the regulations should not be connected or disconnected under load.



Modular Connectors and Connector Strips

The modular connectors for the Series 2001, 2002 and 2004 are equipped with a Ø 2 mm/0.079 in or Ø 2.3 mm/0.091 in test socket.



Modular Connectors for Series 2002 can be directly pushed in to the conductor entry way.



Test Plug Adapter

Adapter suited for 4 mm/ 0.157 Ø plug, and can be used with series 2001 to 2016.

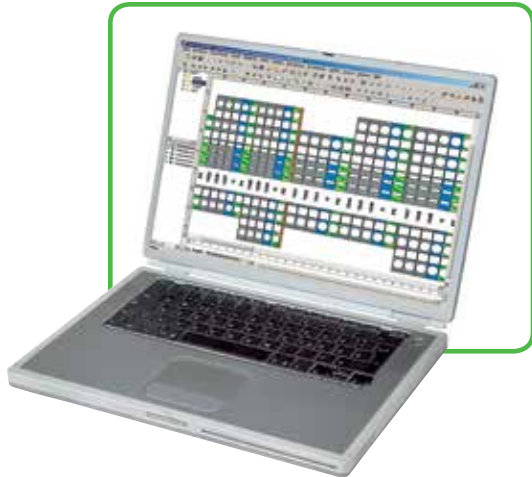


Testing Tap

Testing tap suited for Series 2001 to 2016. Individual test wires up to 2.5 mm² (AWG 14) can be connected without using any tools.

Simply marked

- Finding the appropriate marking easily and quickly using WMB markers or continuous marker strips



Designing ...

Custom rail assemblies and markings can be designed easily using the WAGO Pro-Serve 6.0 software.

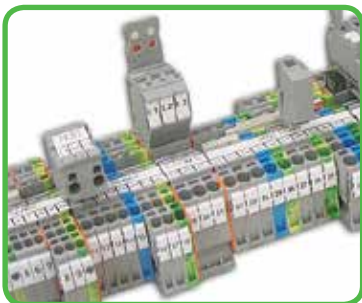
Printing ...

A thermal transfer printer is used to print marker strips (Series 2009) or WMB markers on a continuous reel.



Snapping ...

The marker strip is snapped into the center marker receptacle profile.



Combining marker strips and individual WMB markers.

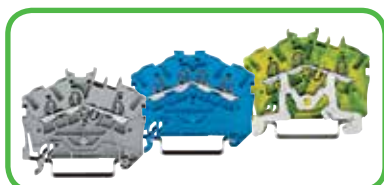


Alternatively, miniature WSB markers can be printed using a plotter.

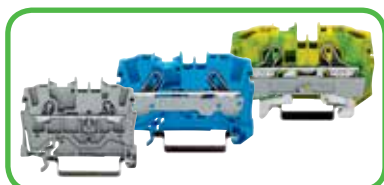


WMB markers on continuous reel can be used.

TOPJOB® S



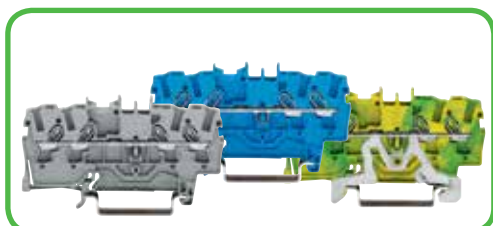
3- and 4-conductor terminal blocks
Series 2002



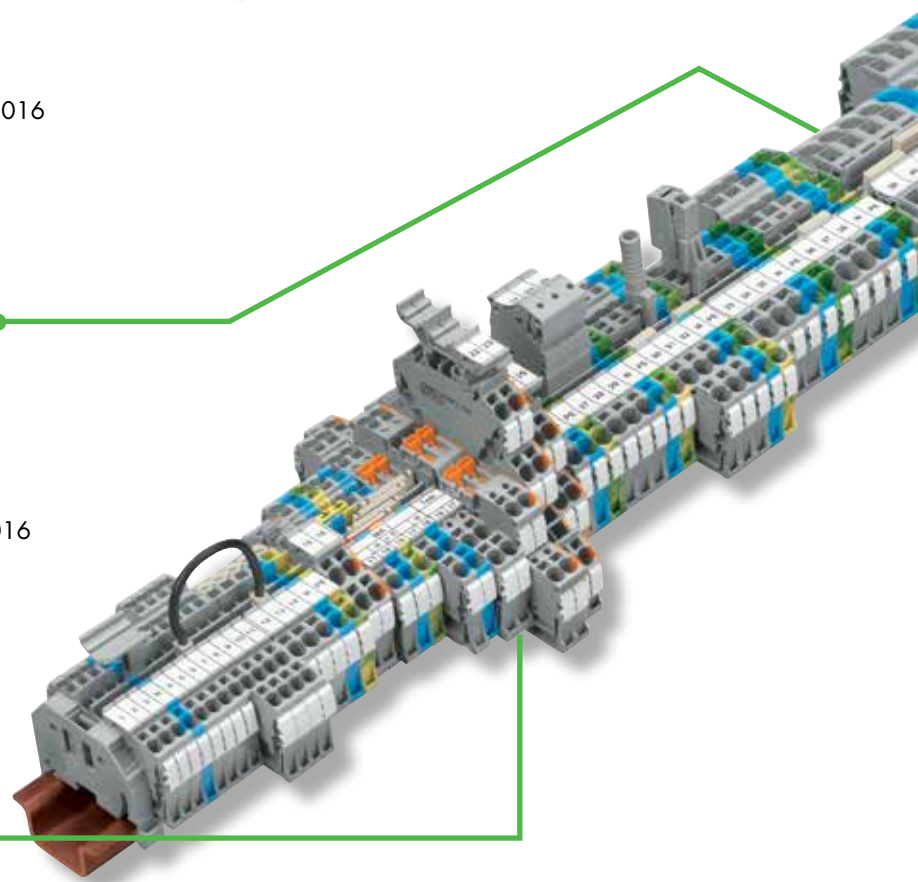
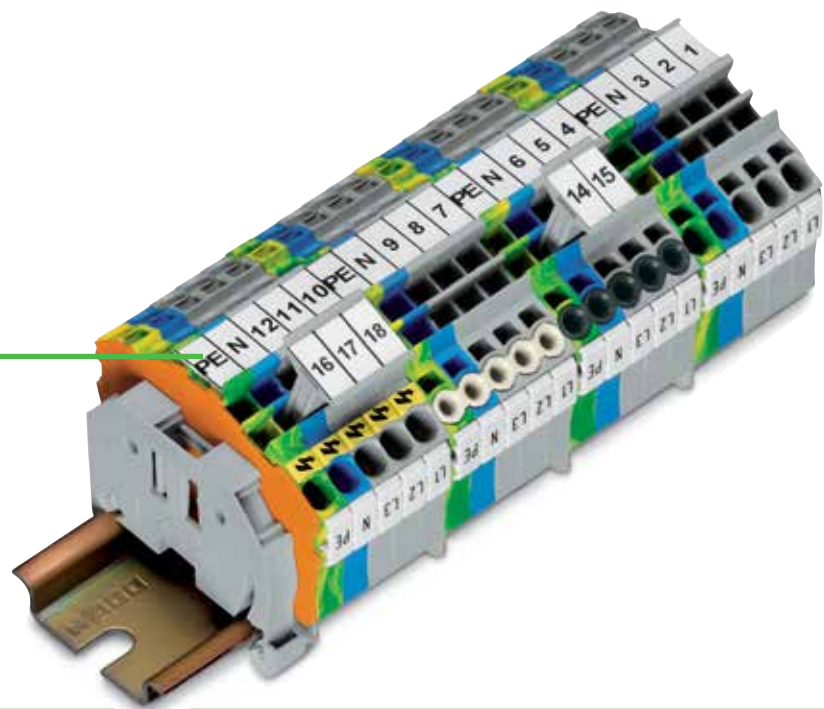
2-conductor terminal blocks*
Series 2000, 2001, 2002, 2004, 2006, 2010, 2016



3-conductor terminal blocks*
Series 2000, 2001, 2002, 2004, 2006, 2010, 2016



4-conductor terminal blocks*
Series 2000, 2001, 2002, 2004



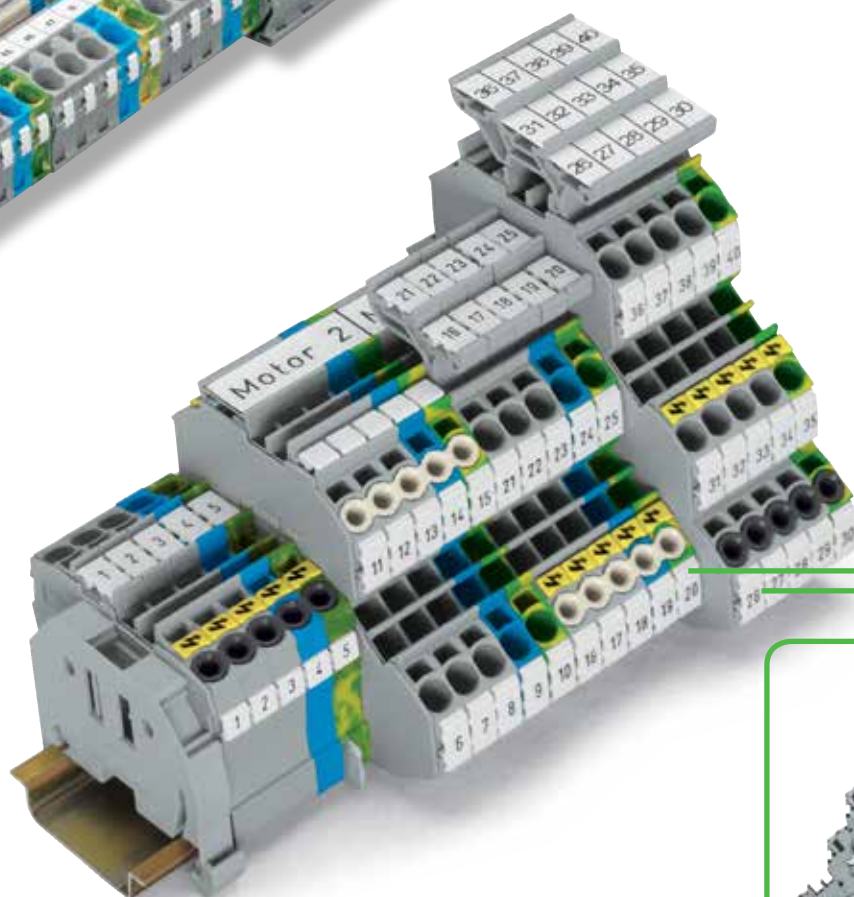
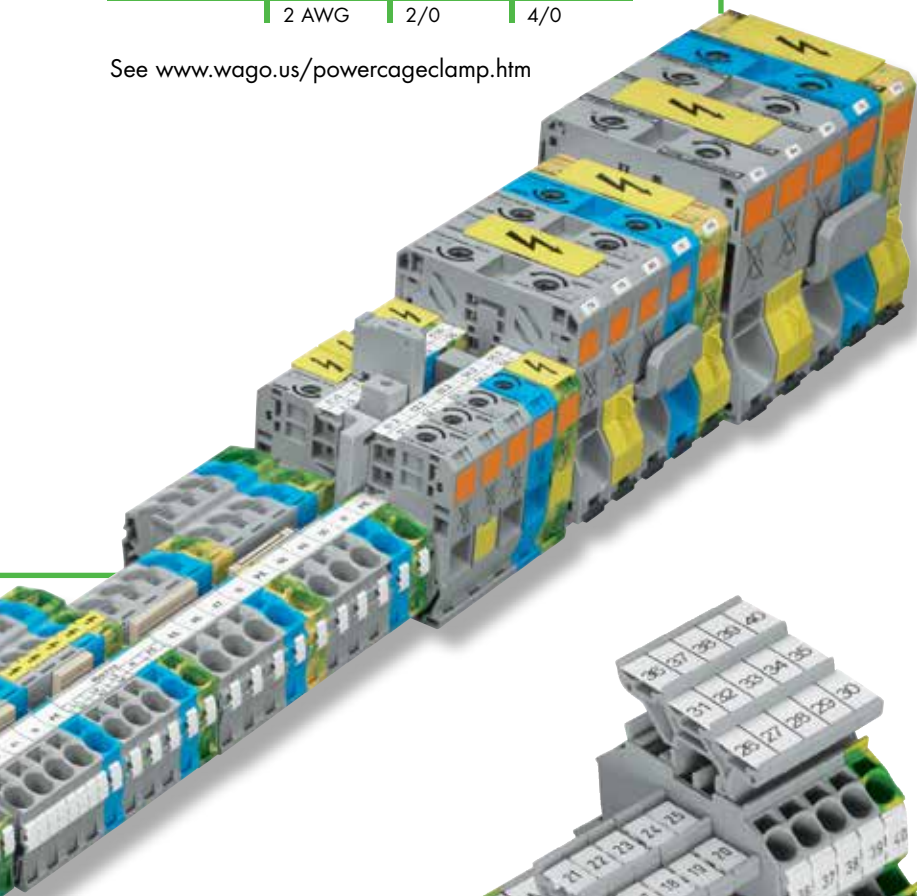
Series	2000	2001	2002	2004	2006	2010	2016
Rated cross section	16 AWG	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	4 AWG

*Additional colors available – contact factory

POWER CAGE CLAMP®

Series	285-135	285-150	285-195
	2 AWG	2/0	4/0

See www.wago.us/powercageclamp.htm



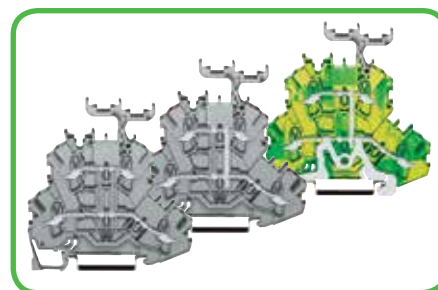
Series	2002
Rated cross section	12 AWG



Environmentally friendly:
TOPJOB® S terminal blocks
are **100% lead-free!**

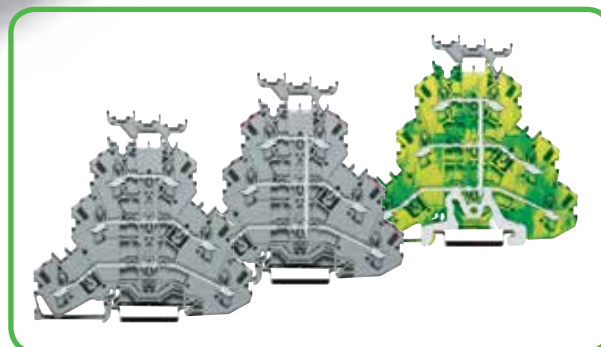
SCCR
100 kA

See page 87



Double deck terminal blocks

Series	2000	2002
	16 AWG	12 AWG



Triple deck terminal blocks

Rail-Mounted Terminal Blocks 1.0 (1.5) mm²/AWG 16 Series 2000

0.14 – 1.0(1.5) mm² ①
800 V/6 kV/3
I_N 13.5 A (18 A)
Terminal block width 3.5 mm / 0.137 in
9 – 11 mm / 0.39 in

AWG 24 – 16
600 V, 10 A
600 V, 10 A

0.14 – 1.0(1.5) mm² ①
800 V/6 kV/3
I_N 13.5 A (18 A)
Terminal block width 3.5 mm / 0.137 in
9 – 11 mm / 0.39 in

AWG 24 – 16
600 V, 10 A
600 V, 10 A

0.14 – 1.0(1.5) mm² ①
800 V/6 kV/3
I_N 13.5 A (18 A)
Terminal block width 3.5 mm / 0.137 in
9 – 11 mm / 0.39 in

AWG 24 – 16
600 V, 10 A
600 V, 10 A

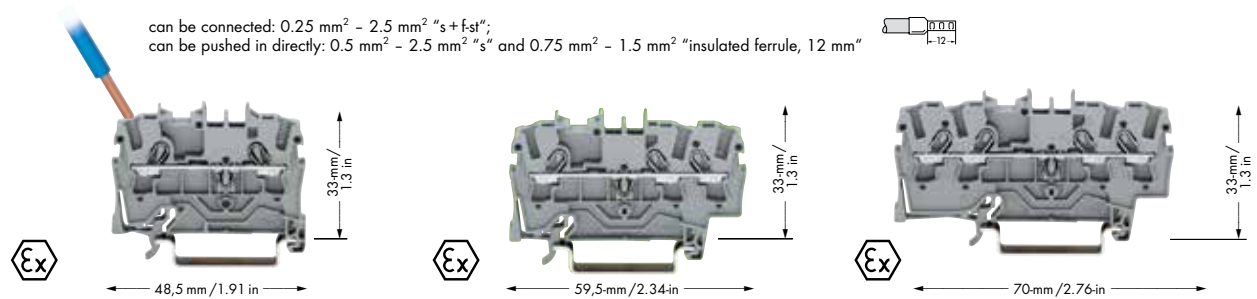
① can be connected: 0.14 mm² – 1.5 mm² "s + f-st"; can be pushed in directly: 0.5 mm² – 1.5 mm² "s" and 0.5 mm² – 1 mm² "insulated ferrule, 10 mm/0.393 in"



Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs				
2-conductor through terminal blocks			3-conductor through terminal blocks			4-conductor through terminal blocks					
gray	2000-1201		100	gray	2000-1301		100	gray	2000-1401		100
blue	2000-1204		100	blue	2000-1304		100	blue	2000-1404		100
orange	2000-1202		100	orange	2000-1302		100	orange	2000-1402		100
red	2000-1203		100	red	2000-1303		100	red	2000-1403		100
black	2000-1205		100	black	2000-1305		100	black	2000-1405		100
yellow	2002-1206		100	yellow	2000-1306		100	yellow	2000-1406		100
2-conductor ground (earth) terminal block			3-conductor ground (earth) terminal block			4-conductor ground (earth) terminal block					
green-yellow	2000-1207		100	green-yellow	2000-1307		100	green-yellow	2000-1407		100
 Suitable for Ex i applications			 Suitable for Ex i applications			 Suitable for Ex i applications					
Accessories											
appropriate marker system WMB/Marker strips (see pages 80-85)											
End and intermediate plate, 0.7 mm / 0.028 in thick				End and intermediate plate, 0.7 mm / 0.028 in thick				End and intermediate plate, 0.7 mm / 0.028 in thick			
											
orange 2000-1292 100 (4 x 25)				orange 2000-1392 100 (4 x 25)				orange 2000-1492 100 (4 x 25)			
gray 2000-1291 100 (4 x 25)				gray 2000-1391 100 (4 x 25)				gray 2000-1491 100 (4 x 25)			
Push-in type jumper bars, light gray, insulated,				Push-in type jumper bars, light gray, insulated,				Push-in type jumper bars, light gray, insulated,			
											
I _N 14 A				I _N 14 A				I _N 14 A			
2-way 2000-402 200 (8 x 25)				2-way 2000-402 200 (8 x 25)				2-way 2000-402 200 (8 x 25)			
3-way 2000-403 200 (8 x 25)				3-way 2000-403 200 (8 x 25)				3-way 2000-403 200 (8 x 25)			
4-way 2000-404 200 (8 x 25)				4-way 2000-404 200 (8 x 25)				4-way 2000-404 200 (8 x 25)			
:				:				:			
10-way 2000-410 100 (4 x 25)				10-way 2000-410 100 (4 x 25)				10-way 2000-410 100 (4 x 25)			
Push-in type jumper bars, light gray, insulated,				Push-in type jumper bars, light gray, insulated,				Push-in type jumper bars, light gray, insulated,			
											
I _N 14 A				I _N 14 A				I _N 14 A			
1 - 3 2000-433 200 (8 x 25)				1 - 3 2000-433 200 (8 x 25)				1 - 3 2000-433 200 (8 x 25)			
1 - 4 2000-434 200 (8 x 25)				1 - 4 2000-434 200 (8 x 25)				1 - 4 2000-434 200 (8 x 25)			
1 - 5 2000-435 100 (4 x 25)				1 - 5 2000-435 100 (4 x 25)				1 - 5 2000-435 100 (4 x 25)			
:				:				:			
1 - 10 2000-440 100 (4 x 25)				1 - 10 2000-440 100 (4 x 25)				1 - 10 2000-440 100 (4 x 25)			

Rail-Mounted Terminal Blocks 1.5 (2.5) mm²/AWG 14 Series 2001

0.25 – 1.5 (2.5) mm ² 800 V/8 kV/3 18 A	AWG 22 – 14 600 V, 15 A  600 V, 15 A 	0.25 – 1.5 (2.5) mm ² 800 V/8 kV/3 18 A	AWG 22 – 14 600 V, 15 A  600 V, 15 A 	0.25 – 1.5 (2.5) mm ² 800 V/8 kV/3 18 A	AWG 22 – 14 600 V, 15 A  600 V, 15 A 
Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in		Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in		Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in	
*  		*  		*  	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor through terminal blocks		3-conductor through terminal blocks		4-conductor through terminal blocks	
gray 	2001-1201  100	gray 	2001-1301  100	gray 	2001-1401  100
blue 	2001-1204  100	blue 	2001-1304  100	blue 	2001-1404  100
orange 	2001-1202  100	orange 	2001-1302  100	orange 	2001-1402  100
red 	2001-1203  100	red 	2001-1303  100	red 	2001-1403  100
black 	2001-1205  100	black 	2001-1305  100	black 	2001-1405  100
yellow 	2001-1206  100	yellow 	2001-1306  100	yellow 	2001-1406  100
2-conductor ground (earth) terminal block		3-conductor ground (earth) terminal block		4-conductor ground (earth) terminal block	
green-yellow 	2001-1207  100	green-yellow 	2001-1307  100	green-yellow 	2001-1407  100
 Suitable for Ex e II applications 550 V, 17 A		 Suitable for Ex e II applications 550 V, 17 A		 Suitable for Ex e II applications 550 V, 17 A	
 Suitable for Ex i applications		 Suitable for Ex i applications		 Suitable for Ex i applications	

Accessories

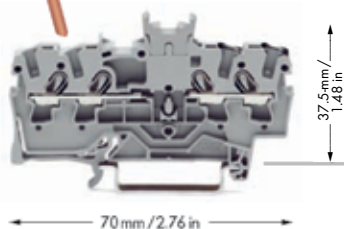
appropriate marker system **WMB/Marker strips** (see pages 80-85)

End and intermediate plate, 0.8 mm/0.031 in thick		End and intermediate plate, 0.8 mm/0.031 in thick		End and intermediate plate, 0.8 mm/0.031 in thick	
	orange 2002-1292 100 (4 x 25)		orange 2002-1392 100 (4 x 25)		orange 2002-1492 100 (4 x 25)
	gray 2002-1291 100 (4 x 25)		gray 2002-1391 100 (4 x 25)		gray 2002-1491 100 (4 x 25)
Insulation stop, 5 pcs/strip 200 strips		Insulation stop, 5 pcs/strip 200 strips		Insulation stop, 5 pcs/strip 200 strips	
	light gray 2001-171 0.25-0.5 mm ²		light gray 2001-171 0.25-0.5 mm ²		light gray 2001-171 0.25-0.5 mm ²
Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A		Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A		Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A	
	2-way 2001-402 200 (8 x 25)		2-way 2001-402 200 (8 x 25)		2-way 2001-402 200 (8 x 25)
	3-way 2001-403 200 (8 x 25)		3-way 2001-403 200 (8 x 25)		3-way 2001-403 200 (8 x 25)
	4-way 2001-404 200 (8 x 25)		4-way 2001-404 200 (8 x 25)		4-way 2001-404 200 (8 x 25)
	5-way 2001-405 100 (4 x 25)		5-way 2001-405 100 (4 x 25)		5-way 2001-405 100 (4 x 25)
	: :		: :		: :
	10-way 2001-410 100 (4 x 25)		10-way 2001-410 100 (4 x 25)		10-way 2001-410 100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A		Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A		Push-in type jumper bars, light gray, insulated, I_N 18 A  16 A	
	1 - 3 2001-433 200 (8 x 25)		1 - 3 2001-433 200 (8 x 25)		1 - 3 2001-433 200 (8 x 25)
	1 - 4 2001-434 200 (8 x 25)		1 - 4 2001-434 200 (8 x 25)		1 - 4 2001-434 200 (8 x 25)
	1 - 5 2001-435 100 (4 x 25)		1 - 5 2001-435 100 (4 x 25)		1 - 5 2001-435 100 (4 x 25)
	: :		: :		: :
	1 - 10 2001-440 100 (4 x 25)		1 - 10 2001-440 100 (4 x 25)		1 - 10 2001-440 100 (4 x 25)
Modular TOPJOB®S connector**, for jumper contact slot		Modular TOPJOB®S connector**, for jumper contact slot		Modular TOPJOB®S connector**, for jumper contact slot	
	1 pole 2001-501 100 (4 x 25)		1 pole 2001-501 100 (4 x 25)		1 pole 2001-501 100 (4 x 25)
Spacer, modular 2001-549 100 (4 x 25)		Spacer, modular 2001-549 100 (4 x 25)		Spacer, modular 2001-549 100 (4 x 25)	
see also pages 23 to 24		see also pages 23 to 24		see also pages 23 to 24	
Test plug adapter, for test plug 4 mm/0.157 in Ø		Test plug adapter, for test plug 4 mm/0.157 in Ø		Test plug adapter, for test plug 4 mm/0.157 in Ø	
	2009-174 100 (4 x 25)		2009-174 100 (4 x 25)		2009-174 100 (4 x 25)
Testing tap, for max. 2.5 mm²		Testing tap, for max. 2.5 mm²		Testing tap, for max. 2.5 mm²	
	2009-182 100 (4 x 25)		2009-182 100 (4 x 25)		2009-182 100 (4 x 25)

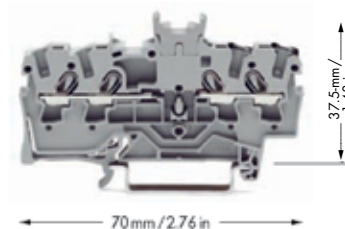
Double Potential Terminal Blocks 1.5 (2.5) mm²/AWG 14 2.5 (4) mm²/AWG 12 Series 2001

0.25 – 1.5 (2.5) mm² 800 V/8 kV/3 I _N 18 A (24 A) Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in	AWG 22 – 14 600 V, 15 A  600 V, 15 A 	0.25 – 1.5 (4) mm² 800 V/8 kV/3 I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	AWG 22 – 12 600 V, 20 A  600 V, 20 A 
---	--	--	--

can be connected: 0.25 mm² - 2.5 mm² "s+f-st";
 can be pushed in directly; 0.5 mm² - 2.5 mm² "s" and
 0.75 mm² - 1.5 mm² "insulated ferrule, 12 mm/0.472 in"

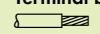


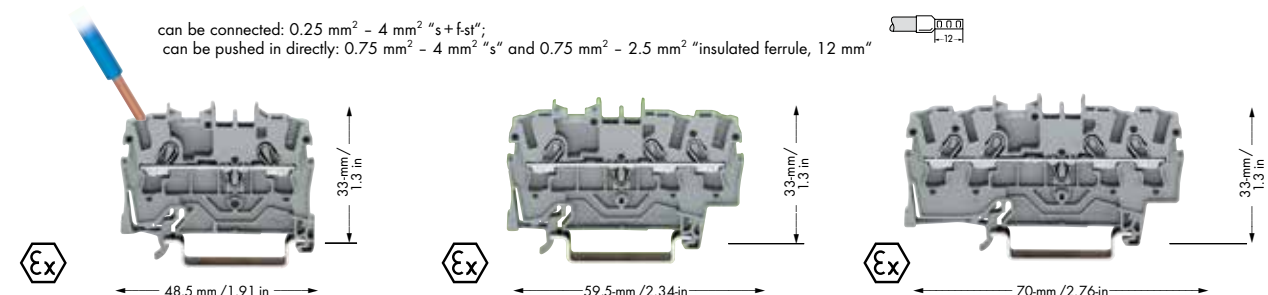
can be connected: 0.25 mm² - 4 mm² "s+f-st";
 can be pushed in directly; 0.75 mm² - 4 mm² "s" and
 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm/0.472 in"



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Double potential terminal block, gray 2001-1441 100				Double potential terminal block, gray 2002-1441 100	
Attention! This double potential terminal block cannot be commoned with push-in type jumper bars!				Attention! This double potential terminal block cannot be commoned with push-in type jumper bars!	
Accessories appropriate marker system WMB/Marker strips (see pages 80-85)					
End and intermediate plate, 0.8 mm/0.031 in thick				End and intermediate plate, 0.8 mm/0.031 in thick	
	orange 2002-1492 100 (4 x 25)				orange 2002-1492 100 (4 x 25)
	gray 2002-1491 100 (4 x 25)				gray 2002-1491 100 (4 x 25)
Insulation stop, 5 pcs/strip 200 strips				Insulation stop, 5 pcs/strip 200 strips	
	light gray 2001-171 0.25-0.5 mm²				light gray 2002-171 0.25-0.5 mm²
					dark gray 2002-172 0.75-1 mm²
				Protective warning marker, for 5 terminal blocks	
					yellow 2002-115 100 (4 x 25)
Double potential terminal blocks are space savers. Two independent through terminal blocks are placed in one insulated housing on one level. The width of the housing is only 4.2 mm/0.165 in. Compared to standard through terminal blocks, the width is only 2.1 mm/0.083 in.				Double potential terminal blocks are space savers. Two independent through terminal blocks are placed in one insulated housing on one level. The width of the housing is only 5.2 mm/0.205 in. Compared to standard through terminal blocks, the width is only 2.6 mm/0.103 in.	
Input and output contacts of one circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.				Input and output contacts of one circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.	

Rail-Mounted Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002

0.25 – 2.5 (4) mm² 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in *  	AWG 22 – 12 600 V, 20 A  600 V, 20 A 	0.25 – 2.5 (4) mm² 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in *  	AWG 22 – 12 600 V, 20 A  600 V, 20 A 	0.25 – 2.5 (4) mm² 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in *  	AWG 22 – 12 600 V, 20 A  600 V, 20 A 
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Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs		Item No.	Pack.-unit pcs	
2-conductor through terminal blocks			3-conductor through terminal blocks			4-conductor through terminal blocks		
gray 	2002-1201	 100	gray 	2002-1301	 100	gray 	2002-1401	 100
blue 	2002-1204	 100	blue 	2002-1304	 100	blue 	2002-1404	 100
orange 	2002-1202	 100	orange 	2002-1302	 100	orange 	2002-1402	 100
red 	2002-1203	 100	red 	2002-1303	 100	red 	2002-1403	 100
black 	2002-1205	 100	black 	2002-1305	 100	black 	2002-1405	 100
yellow 	2002-1206	 100	yellow 	2002-1306	 100	yellow 	2002-1406	 100
2-conductor ground (earth) terminal block			3-conductor ground (earth) terminal block			4-conductor ground (earth) terminal block		
green-yellow 	2002-1207	 100	green-yellow 	2002-1307	 100	green-yellow 	2002-1407	 100
 Suitable for Ex e II applications 550 V, 22 A			 Suitable for Ex e II applications 550 V, 22 A			 Suitable for Ex e II applications 550 V, 22 A		
 Suitable for Ex i applications			 Suitable for Ex i applications			 Suitable for Ex i applications		

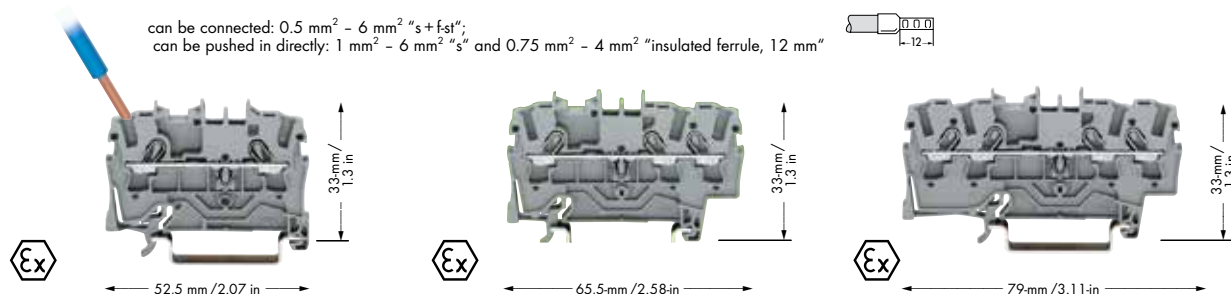
Accessories

appropriate marker system **WMB/Marker strips** (see pages 80-85)

End and intermediate plate, 0.8 mm/0.031 in thick			End and intermediate plate, 0.8 mm/0.031 in thick			End and intermediate plate, 0.8 mm/0.031 in thick		
	orange 2002-1292 100 (4 x 25)			orange 2002-1392 100 (4 x 25)			orange 2002-1492 100 (4 x 25)	
	gray 2002-1291 100 (4 x 25)			gray 2002-1391 100 (4 x 25)			gray 2002-1491 100 (4 x 25)	
Insulation stop, 5 pcs/strip 200 strips			Insulation stop, 5 pcs/strip 200 strips			Insulation stop, 5 pcs/strip 200 strips		
	light gray 2002-171 0.25-0.5 mm ²			light gray 2002-171 0.25-0.5 mm ²			light gray 2002-171 0.25-0.5 mm ²	
	dark gray 2002-172 0.75-1 mm ²			dark gray 2002-172 0.75-1 mm ²			dark gray 2002-172 0.75-1 mm ²	
Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A			Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A			Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A		
	2-way 2002-402 200 (8 x 25)			2-way 2002-402 200 (8 x 25)			2-way 2002-402 200 (8 x 25)	
	3-way 2002-403 200 (8 x 25)			3-way 2002-403 200 (8 x 25)			3-way 2002-403 200 (8 x 25)	
	4-way 2002-404 200 (8 x 25)			4-way 2002-404 200 (8 x 25)			4-way 2002-404 200 (8 x 25)	
	: :			: :			: :	
	10-way 2002-410 100 (4 x 25)			10-way 2002-410 100 (4 x 25)			10-way 2002-410 100 (4 x 25)	
Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A			Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A			Push-in type jumper bars, light gray, insulated, I_N 25 A  20 A		
	1 - 3 2002-433 200 (8 x 25)			1 - 3 2002-433 200 (8 x 25)			1 - 3 2002-433 200 (8 x 25)	
	1 - 4 2002-434 200 (8 x 25)			1 - 4 2002-434 200 (8 x 25)			1 - 4 2002-434 200 (8 x 25)	
	1 - 5 2002-435 100 (4 x 25)			1 - 5 2002-435 100 (4 x 25)			1 - 5 2002-435 100 (4 x 25)	
	: :			: :			: :	
	1 - 10 2002-440 100 (4 x 25)			1 - 10 2002-440 100 (4 x 25)			1 - 10 2002-440 100 (4 x 25)	
Protective warning marker, for 5 terminal blocks			Protective warning marker, for 5 terminal blocks			Protective warning marker, for 5 terminal blocks		
	yellow 2002-115 100 (4 x 25)			yellow 2002-115 100 (4 x 25)			yellow 2002-115 100 (4 x 25)	
Modular TOPJOB®S connector** for jumper contact slot			Modular TOPJOB®S connector** for jumper contact slot			Modular TOPJOB®S connector** for jumper contact slot		
	1 pole 2002-511 100 (4 x 25)			1 pole 2002-511 100 (4 x 25)			1 pole 2002-511 100 (4 x 25)	
Spacer, modular 2002-549 100 (4 x 25)			Spacer, modular 2002-549 100 (4 x 25)			Spacer, modular 2002-549 100 (4 x 25)		
see also pages 23 to 24			see also pages 23 to 24			see also pages 23 to 24		

Rail-Mounted Terminal Blocks 4 (6) mm²/AWG 10 Series 2004

0.5 – 4 (6) mm ² 800 V/8 kV/3 32 A	AWG 20 – 10 600 V, 30 A  600 V, 30 A 	0.5 – 4 (6) mm ² 800 V/8 kV/3 32 A	AWG 20 – 10 600 V, 30 A  600 V, 30 A 	0.5 – 4 (6) mm ² 800 V/8 kV/3 32 A	AWG 20 – 10 600 V, 30 A  600 V, 30 A 
Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in		Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in		Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in	
*  		*  		*  	



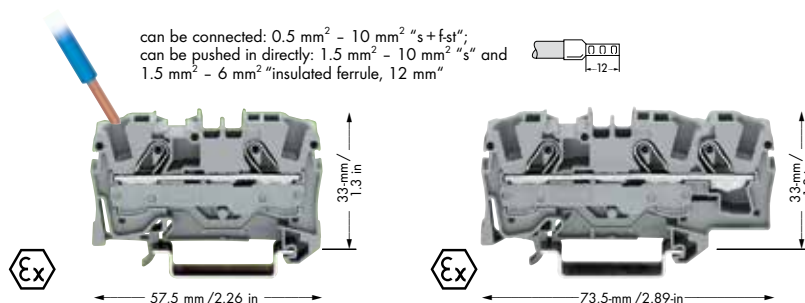
Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor through terminal blocks		3-conductor through terminal blocks		4-conductor through terminal blocks	
gray 	2004-1201 50	gray 	2004-1301 50	gray 	2004-1401 50
blue 	2004-1204 50	blue 	2004-1304 50	blue 	2004-1404 50
orange 	2004-1202 50	orange 	2004-1302 50	orange 	2004-1402 50
red 	2004-1203 50	red 	2004-1303 50	red 	2004-1403 50
black 	2004-1205 50	black 	2004-1305 50	black 	2004-1405 50
yellow 	2004-1206 50	yellow 	2004-1306 50	yellow 	2004-1406 50
2-conductor ground (earth) terminal block		3-conductor ground (earth) terminal block		4-conductor ground (earth) terminal block	
green-yellow 	2004-1207 50	green-yellow 	2004-1307 50	green-yellow 	2004-1407 50
 Suitable for Ex e II applications 550 V, 30 A		 Suitable for Ex e II applications 550 V, 30 A		 Suitable for Ex e II applications 550 V, 30 A	
 Suitable for Ex i applications		 Suitable for Ex i applications		 Suitable for Ex i applications	

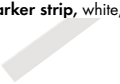
Accessories appropriate marker system WMB/Marker strips/WMB Inline (see pages 80-85)

End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick	
 orange 2004-1292 100 (4 x 25)		 orange 2004-1392 100 (4 x 25)		 orange 2004-1492 100 (4 x 25)	
 gray 2004-1291 100 (4 x 25)		 gray 2004-1391 100 (4 x 25)		 gray 2004-1491 100 (4 x 25)	
Insulation stop, 5 pcs/strip 200 strips		Insulation stop, 5 pcs/strip 200 strips		Insulation stop, 5 pcs/strip 200 strips	
 light gray 2004-171 0.25-0.5 mm ²		 light gray 2004-171 0.25-0.5 mm ²		 light gray 2004-171 0.25-0.5 mm ²	
 dark gray 2004-172 0.75-1 mm ²		 dark gray 2004-172 0.75-1 mm ²		 dark gray 2004-172 0.75-1 mm ²	
Push-in type jumper bars, light gray, insulated, I_N 32A  30 A		Push-in type jumper bars, light gray, insulated, I_N 32A  30 A		Push-in type jumper bars, light gray, insulated, I_N 32A  30 A	
 2-way 2004-402 100 (4 x 25)		 2-way 2004-402 100 (4 x 25)		 2-way 2004-402 100 (4 x 25)	
 3-way 2004-403 100 (4 x 25)		 3-way 2004-403 100 (4 x 25)		 3-way 2004-403 100 (4 x 25)	
 4-way 2004-404 100 (4 x 25)		 4-way 2004-404 100 (4 x 25)		 4-way 2004-404 100 (4 x 25)	
 5-way 2004-405 50 (2 x 25)		 5-way 2004-405 50 (2 x 25)		 5-way 2004-405 50 (2 x 25)	
: :		: :		: :	
 10-way 2004-410 50 (2 x 25)		 10-way 2004-410 50 (2 x 25)		 10-way 2004-410 50 (2 x 25)	
Push-in type jumper bars, light gray, insulated, I_N 32A  30 A		Push-in type jumper bars, light gray, insulated, I_N 32A  30 A		Push-in type jumper bars, light gray, insulated, I_N 32A  30 A	
 1 - 3 2004-433 100 (4 x 25)		 1 - 3 2004-433 100 (4 x 25)		 1 - 3 2004-433 100 (4 x 25)	
 1 - 4 2004-434 100 (4 x 25)		 1 - 4 2004-434 100 (4 x 25)		 1 - 4 2004-434 100 (4 x 25)	
 1 - 5 2004-435 50 (2 x 25)		 1 - 5 2004-435 50 (2 x 25)		 1 - 5 2004-435 50 (2 x 25)	
: :		: :		: :	
 1 - 10 2004-440 50 (2 x 25)		 1 - 10 2004-440 50 (2 x 25)		 1 - 10 2004-440 50 (2 x 25)	
Protective warning marker, for 5 terminal blocks		Protective warning marker, for 5 terminal blocks		Protective warning marker, for 5 terminal blocks	
 yellow 2004-115 100 (4 x 25)		 yellow 2004-115 100 (4 x 25)		 yellow 2004-115 100 (4 x 25)	
Modular TOPJOB®S connector**, for jumper contact slot		Modular TOPJOB®S connector**, for jumper contact slot		Modular TOPJOB®S connector**, for jumper contact slot	
 1 pole 2004-511 100 (4 x 25)		 1 pole 2004-511 100 (4 x 25)		 1 pole 2004-511 100 (4 x 25)	
Spacer, modular 2004-549 100 (4 x 25)		Spacer, modular 2004-549 100 (4 x 25)		Spacer, modular 2004-549 100 (4 x 25)	
see also pages 23 to 24		see also pages 23 to 24		see also pages 23 to 24	

Rail-Mounted Terminal Blocks 6 (10) mm²/AWG 8 Series 2006

0.5 – 6 (10) mm ² 800 V/8 kV/3 41 A	AWG 20 – 8 600 V, 50 A	0.5 – 6 (10) mm ² 800 V/8 kV/3 41 A	AWG 20 – 8 600 V, 50 A	Commoning with step-down jumpers
Terminal block width 7.5 mm / 0.295 in		Terminal block width 7.5 mm / 0.295 in		Application notes see page 7
* 13 – 15 mm / 0.55 in		* 13 – 15 mm / 0.55 in		



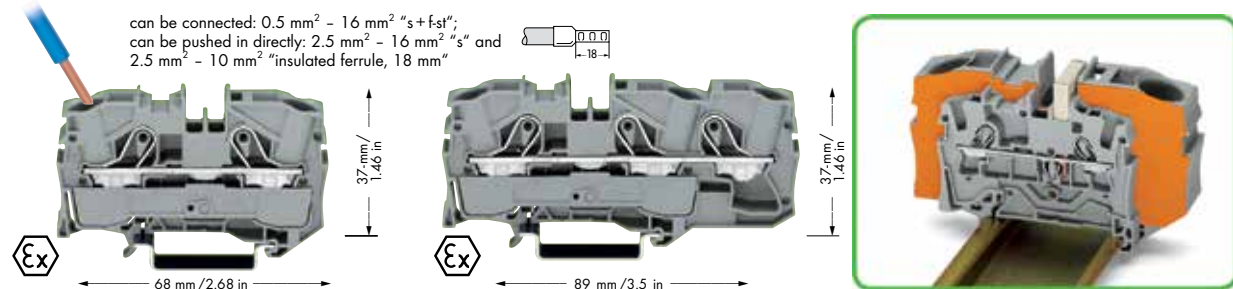
Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor through terminal blocks		3-conductor through terminal blocks		Commoning with step-down jumpers	
gray 	2006-1201  50	gray 	2006-1301  25	An end plate must always be used between the terminal blocks that are commoned with step-down jumpers.	
blue 	2006-1204  50	blue 	2006-1304  25	Step-down jumper 2006-499 is suitable for commoning series 2006 or 2004 terminal blocks with series 2002, 2001 or 2000 terminal blocks.	
orange 	2006-1202  50	orange 	2006-1302  25	Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars.	
2-conductor ground (earth) terminal block		3-conductor ground (earth) terminal block			
green-yellow 	2006-1207  50	green-yellow 	2006-1307  25		
 Suitable for Ex e II applications 550 V, 38 A		 Suitable for Ex e II applications 550 V, 36 A			
 Suitable for Ex i applications		 Suitable for Ex i applications			
Accessories					
appropriate marker system WMB/Marker strips/WMB Inline (see pages 80-85)					
End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		Step-down jumper, light gray, insulated	
 orange 2006-1292 100 (4 x 25)		 orange 2006-1392 100 (4 x 25)		 32 A	
 gray 2006-1291 100 (4 x 25)		 gray 2006-1391 100 (4 x 25)		2006-499	50 (2 x 25)
Push-in type jumper bars, light gray, insulated, I_N 41A		Push-in type jumper bars, light gray, insulated, I_N 41A			
 33 A		 33 A			
2-way 2006-402 50 (2 x 25)		2-way 2006-402 50 (2 x 25)			
3-way 2006-403 50 (2 x 25)		3-way 2006-403 50 (2 x 25)			
4-way 2006-404 50 (2 x 25)		4-way 2006-404 50 (2 x 25)			
5-way 2006-405 50 (2 x 25)		5-way 2006-405 50 (2 x 25)			
Push-in type jumper bars, light gray, insulated, I_N 41A		Push-in type jumper bars, light gray, insulated, I_N 41A			
 33 A		 33 A			
1 - 3 2006-433 50 (2 x 25)		1 - 3 2006-433 50 (2 x 25)			
1 - 4 2006-434 50 (2 x 25)		1 - 4 2006-434 50 (2 x 25)			
1 - 5 2006-435 50 (2 x 25)		1 - 5 2006-435 50 (2 x 25)			
Protective warning marker,		Protective warning marker,		Note:	
 for 5 terminal blocks		 for 5 terminal blocks		The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.	
yellow 2006-115 100 (4 x 25)		yellow 2006-115 100 (4 x 25)			
Test plug adapter, for test plug 4 mm/0.157 in Ø		Test plug adapter, for test plug 4 mm/0.157 in Ø			
 2009-174 100 (4 x 25)		 2009-174 100 (4 x 25)			
Testing tap, for max. 2.5 mm²		Testing tap, for max. 2.5 mm²			
2009-182 100 (4 x 25)		2009-182 100 (4 x 25)			
Modular TOPJOB®S connector,		Modular TOPJOB®S connector,			
 for jumper contact slot		 for jumper contact slot			
1-pole 2006-511 50 (2x25)		1-pole 2006-511 50 (2x25)			
see also page 25		see also page 25			
Marker strip, white, plain, on roll		Marker strip, white, plain, on roll			
 for center marking		 for center marking			
11 mm/0.039 in wide		11 mm/0.039 in wide			
50 m 2009-110	1	50 m 2009-110	1		

Note:

The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.

Rail-Mounted Terminal Blocks 10 (16) mm²/AWG 6 Series 2010

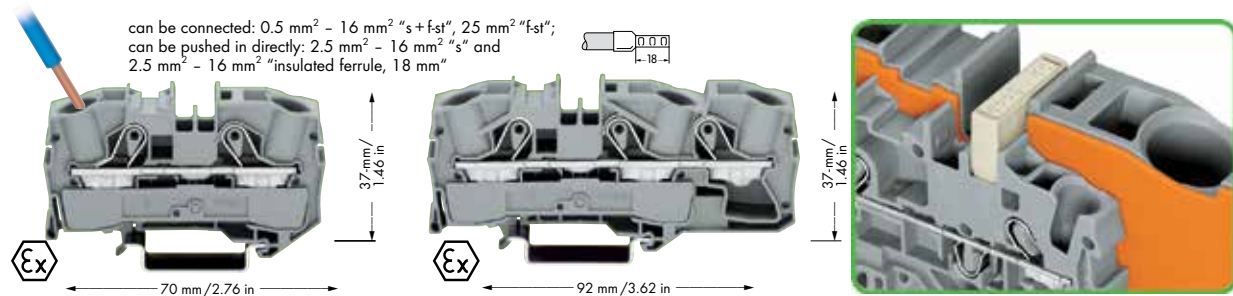
0.5 – 10 (16) mm² 800 V/8 kV/3 57 A Terminal block width 10 mm / 0.394 in  17 – 19 mm / 0.71 in *  	AWG 20 – 6 600 V, 65 A  600 V, 65 A 	0.5 – 10 (16) mm² 800 V/8 kV/3 57 A Terminal block width 10 mm / 0.394 in  17 – 19 mm / 0.71 in *  	AWG 20 – 6 600 V, 65 A  600 V, 65 A 	Commoning with step-down jumpers Application notes see page 7
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor through terminal blocks		3-conductor through terminal blocks		Commoning with step-down jumpers	
gray 	2010-1201  25	gray 	2010-1301  25	An end plate must always be used between the terminal blocks that are commoned with step-down jumpers.	
blue 	2010-1204  25	blue 	2010-1304  25	Step-down jumper 2016-499 is suitable for commoning series 2016 or 2010 terminal blocks with series 2010, 2006, 2004 or 2002 terminal blocks.	
orange 	2010-1202  25	orange 	2010-1302  25	Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars.	
2-conductor ground (earth) terminal block		3-conductor ground (earth) terminal block			
green-yellow 	2010-1207  25	green-yellow 	2010-1307  25		
 Suitable for Ex e II applications 550 V, 51 A		 Suitable for Ex e II applications 550 V, 50 A			
 Suitable for Ex i applications		 Suitable for Ex i applications			
Accessories appropriate marker system WMB/Marker strips/WMB Inline (see pages 80-85)					
End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		Step-down jumper, light gray, insulated	
 orange 2010-1292 100 (4 x 25)		 orange 2010-1392 100 (4 x 25)		 57 A	
 gray 2010-1291 100 (4 x 25)		 gray 2010-1391 100 (4 x 25)		2016-499 50 (2 x 25)	
Push-in type jumper bars, light gray, insulated, I_N 57 A		Push-in type jumper bars, light gray, insulated, I_N 57 A		Note:	
  50 A		  50 A		The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.	
2-way 2010-402 50 (2 x 25)		2-way 2010-402 50 (2 x 25)			
3-way 2010-403 50 (2 x 25)		3-way 2010-403 50 (2 x 25)			
4-way 2010-404 50 (2 x 25)		4-way 2010-404 50 (2 x 25)			
5-way 2010-405 50 (2 x 25)		5-way 2010-405 50 (2 x 25)			
Push-in type jumper bars, light gray, insulated, I_N 57 A		Push-in type jumper bars, light gray, insulated, I_N 57 A			
  50 A		  50 A			
1 - 3 2010-433 50 (2 x 25)		1 - 3 2010-433 50 (2 x 25)			
1 - 4 2010-434 50 (2 x 25)		1 - 4 2010-434 50 (2 x 25)			
1 - 5 2010-435 50 (2 x 25)		1 - 5 2010-435 50 (2 x 25)			
Protective warning marker, for 5 terminal blocks		Protective warning marker, for 5 terminal blocks			
 yellow 2010-115 100 (4 x 25)		 yellow 2010-115 100 (4 x 25)			
Test plug adapter, for test plug 4 mm/0.157 in Ø		Test plug adapter, for test plug 4 mm/0.157 in Ø			
 2009-174 100 (4 x 25)		 2009-174 100 (4 x 25)			
Testing tap, for max. 2.5 mm²		Testing tap, for max. 2.5 mm²			
 2009-182 100 (4 x 25)		 2009-182 100 (4 x 25)			
Modular TOPJOB®S connector, for jumper contact slot		Modular TOPJOB®S connector, for jumper contact slot			
 1-pole 2010-511 50 (2x25)		 1-pole 2010-511 50 (2x25)			
see also page 25		see also page 25			
Marker strip, white, plain, on roll		Marker strip, white, plain, on roll			
 for center marking 11 mm/0.039 in wide 50 m 2009-110 1		 for center marking 11 mm/0.039 in wide 50 m 2009-110 1			
Finger guard cover, serves as touchproof protection for unused clamping units		Finger guard cover, serves as touchproof protection for unused clamping units			
 yellow 2010-100 100 (4x-25)		 yellow 2010-100 100 (4x-25)			

Rail-Mounted Terminal Blocks 16 (25 "f-st") mm²/AWG 4 Series 2016

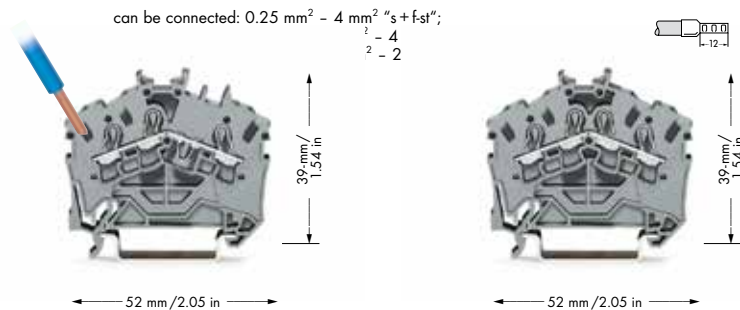
0.5 – 16 (25 "f-st") mm² 800 V/8 kV/3 76 A Terminal block width 12 mm / 0.472 in 18 – 20 mm / 0.75 in *	AWG 20 – 4 600 V, 85 A 600 V, 85 A	0.5 – 16 (25 "f-st") mm² 800 V/8 kV/3 76 A Terminal block width 12 mm / 0.472 in 18 – 20 mm / 0.75 in *	AWG 20 – 4 600 V, 85 A 600 V, 85 A	Commoning with step-down jumpers Application notes see page 7
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor through terminal blocks		3-conductor through terminal blocks		Commoning with step-down jumpers	
gray	2016-1201 20	gray	2016-1301 20	An end plate must always be used between the terminal blocks that are commoned with step-down jumpers.	
blue	2016-1204 20	blue	2016-1304 20	Step-down jumper 2016-499 is suitable for commoning series 2016 or 2010 terminal blocks with series 2010, 2006, 2004 or 2002 terminal blocks.	
orange	2016-1202 20	orange	2016-1302 20	Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars.	
2-conductor ground (earth) terminal block		3-conductor ground (earth) terminal block			
green-yellow	2016-1207 20	green-yellow	2016-1307 20		
Suitable for Ex e II applications 550 V, 70 A		Suitable for Ex e II applications 550 V, 67 A			
Suitable for Ex i applications		Suitable for Ex i applications			
Accessories appropriate marker system WMB/Marker strips/WMB Inline (see pages 80-85)					
End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		Step-down jumper, light gray, insulated	
 orange 2016-1292 100 (4 x 25) gray 2016-1291 100 (4 x 25)		 orange 2016-1392 100 (4 x 25) gray 2016-1391 100 (4 x 25)		 57 A 2016-499 50 (2 x 25)	
Push-in type jumper bars, light gray, insulated, I_N 76 A		Push-in type jumper bars, light gray, insulated, I_N 76 A		Note: The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.	
65 A		65 A			
2-way 2016-402 50 (2 x 25)		2-way 2016-402 50 (2 x 25)			
3-way 2016-403 50 (2 x 25)		3-way 2016-403 50 (2 x 25)			
4-way 2016-404 50 (2 x 25)		4-way 2016-404 50 (2 x 25)			
5-way 2016-405 50 (2 x 25)		5-way 2016-405 50 (2 x 25)			
Push-in type jumper bars, light gray, insulated, I_N 76 A		Push-in type jumper bars, light gray, insulated, I_N 76 A			
65 A		65 A			
1 - 3 2016-433 50 (2 x 25)		1 - 3 2016-433 50 (2 x 25)			
1 - 4 2016-434 50 (2 x 25)		1 - 4 2016-434 50 (2 x 25)			
1 - 5 2016-435 50 (2 x 25)		1 - 5 2016-435 50 (2 x 25)			
Protective warning marker,		Protective warning marker,			
for 5 terminal blocks		for 5 terminal blocks			
 yellow 2016-115 50 (2 x 25)		 yellow 2016-115 50 (2 x 25)			
Test plug adapter, for test plug 4 mm/0.157 in Ø		Test plug adapter, for test plug 4 mm/0.157 in Ø			
 2009-174 100 (4 x 25)		 2009-174 100 (4 x 25)			
Testing tap, for max. 2.5 mm²		Testing tap, for max. 2.5 mm²			
 2009-182 100 (4 x 25)		 2009-182 100 (4 x 25)			
Modular TOPJOB®S connector,		Modular TOPJOB®S connector,			
for jumper contact slot		for jumper contact slot			
1-pole 2016-511 50 (2x25)		1-pole 2016-511 50 (2x25)			
see also page 25		see also page 25			
Marker strip, white, plain, on roll		Marker strip, white, plain, on roll			
for center marking		for center marking			
11 mm/0.039 in wide		11 mm/0.039 in wide			
50 m 2009-110 1		50 m 2009-110 1			
Finger guard cover, serves as touchproof protection		Finger guard cover, serves as touchproof protection			
for unused clamping units		for unused clamping units			
 yellow 2016-100 100 (4-x-25)		 yellow 2016-100 100 (4-x-25)			

3- and 4-Conductor Rail-Mounted Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002

0.25 – 2.5 (4) mm ² 800 V/8 kV/3 24 A	AWG 22 – 12 600 V, 20 A	0.25 – 2.5 (4) mm ² 800 V/8 kV/3 24 A	AWG 22 – 12 600 V, 20 A
Terminal block width 5.2 mm / 0.205 in		Terminal block width 5.2 mm / 0.205 in	
10 – 12 mm / 0.43 in		10 – 12 mm / 0.43 in	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
3-conductor through terminal blocks		4-conductor through terminal blocks	
gray 2002-6301	100	gray 2002-6401	100
blue 2002-6304	100	blue 2002-6404	100
orange 2002-6302	100	orange 2002-6402	100
more colors are being prepared		more colors are being prepared	
3-conductor ground (earth) terminal block		4-conductor ground (earth) terminal block	
green-yellow 2002-6307	100	green-yellow 2002-6407	100
Ex approvals in preparation		Ex approvals in preparation	
Suitable for Ex i applications		Suitable for Ex i applications	
		Attention! These terminal blocks cannot be commoned!	
Accessories appropriate marker system (see pages 80-85)		WMB/Marker strips/WMB Inline	
End and intermediate plate , 0.8 mm /0.031 in thick		End and intermediate plate , 0.8 mm /0.031 in thick	
 orange 2002-6392	100 (4 x 25)	 orange 2002-6392	100 (4 x 25)
gray 2002-6391	100 (4 x 25)	gray 2002-6391	100 (4 x 25)
Insulation stop , 5 pcs/strip 200 strips		Insulation stop , 5 pcs/strip 200 strips	
 light gray 2002-171	0.25-0.5 mm ²	 light gray 2002-171	0.25-0.5 mm ²
dark gray 2002-172	0.75-1 mm ²	dark gray 2002-172	0.75-1 mm ²
Push-in type jumper bars , light gray, insulated, I _N 25 A			
 2-way 2002-402	200 (8 x 25)		
3-way 2002-403	200 (8 x 25)		
4-way 2002-404	200 (8 x 25)		
5-way 2002-405	100 (4 x 25)		
:	:		
10-way 2002-410	100 (4 x 25)		
Push-in type jumper bars , light gray, insulated, I _N 25 A			
 1 - 3 2002-433	200 (8 x 25)		
1 - 4 2002-434	200 (8 x 25)		
1 - 5 2002-435	100 (4 x 25)		
:	:		
1 - 10 2002-440	100 (4 x 25)		
Protective warning marker , for 5 terminal blocks		Protective warning marker , for 5 terminal blocks	
 yellow 2002-115	100 (4 x 25)	 yellow 2002-115	100 (4 x 25)
Modular TOPJOB®S connector** , for jumper contact slot			
 1 pole 2002-511	100 (4 x 25)		
Spacer, modular 2002-549 100 (4 x 25)			
Test plug adapter , for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25)			
Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25)			



3- and 4-conductor terminal blocks

The TOPJOB®S rail-mounted terminal blocks have a conductor entry angle of 35 degrees allowing for a very small bend radius and an extremely short wiring distance to the cable duct. For applications in switchgear and control cabinets using the LSC wiring system from Lütze, for example, the new terminal blocks offer a space and cost saving solution. This way, conductors can be placed very close to the terminal blocks and their height can be kept relatively low.

Product characteristics

- CAGE CLAMP®S connection for all types of conductors, with the additional benefit that stripped solid wires and fine-stranded ferruled wires can be simply pushed in
- Vibration-proof, fast, maintenance-free connection
- 3-conductor through and ground (earth) conductor terminal blocks equipped with dual jumper slot
- 4-conductor terminal blocks allow for the multiplication of potentials without using any jumpers and any additional terminal blocks
- 3- and 4-conductor terminal blocks have the same dimensions

Motor Configuration Jumpers



2002-405/011-000



2002-406/020-000

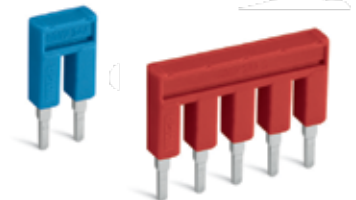
TOPJOB® S

Adjacent jumper for continuous commoning

Staggered jumper bar

Push-in type jumper bar

COMING SOON



Double-deck vertical jumper, insulated,		
I _N 24 A		
light gray	2002-492	50 (2x25)

Triple-deck vertical jumper, insulated,		
I _N 24 A		
light gray	2002-493	50 (2x25)

Push-in type jumper bar, insulated,			
I _N 25 A,			
red			
2-way	2002-402/000-005		200 [8x25]
3-way	2002-403/000-005		200 [8x25]
4-way	2002-404/000-005		200 [8x25]
5-way	2002-405/000-005		100 [4x25]
6-way	2002-406/000-005		100 [4x25]
7-way	2002-407/000-005		100 [4x25]
8-way	2002-408/000-005		100 [4x25]
9-way	2002-409/000-005		100 [4x25]
10-way	2002-410/000-005		100 [4x25]



Colored push-in type jumper bars are used with sensor terminal blocks

Modular Connectors with CAGE CLAMP®S Connection Series 2001/2002/2004

0.25 – 1.5 (2.5) mm ² 500 V/6 kV/3 18 A Terminal block width 4.2 mm / 0.165 in 9 – 11 mm / 0.39 in	AWG 22 – 14 300 V, 15 A 300 V, 15 A	0.25 – 2.5 (4) mm ² ⌀ 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in	AWG 22 – 12 300 V, 20 A 300 V, 20 A	0.5 – 4 (6) mm ² ⌀ 500 V/6 kV/3 32 A Terminal block width 6.2 mm / 0.244 in 11 – 13 mm / 0.47 in	AWG 20 – 10 300 V, 30 A 300 V, 30 A
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Item No.	Pack-unit pcs	Item No.	Pack-unit pcs	Item No.	Pack-unit pcs
Modular TOPJOB®S connectors with CAGE CLAMP®S connection, modular, gray, 1 pole		Modular TOPJOB®S connectors with CAGE CLAMP®S connection, modular, gray, 1 pole		Modular TOPJOB®S connectors with CAGE CLAMP®S connection, modular, gray, 1 pole	
2001-511	100 (4 x 25)	2002-511	100 (4 x 25)	2004-511	100 (4 x 25)
Spacer, for bridging over commoned terminal blocks, for example, modular, gray		Spacer, for bridging over commoned terminal blocks, for example, modular, gray		Spacer, for bridging over commoned terminal blocks, for example, modular, gray	
2001-549	100 (4 x 25)	2002-549	100 (4 x 25)	2004-549	100 (4 x 25)
can be connected: 0.25 mm ² – 2.5 mm ² "s+f-st"; can be pushed in directly: 0.5 mm ² – 2.5 mm ² "s" and 0.75 mm ² – 1.5 mm ² "Insulated ferrule, 12 mm"		⌀ can be connected: 0.25 mm ² – 4 mm ² "s+f-st"; can be pushed in directly: 0.75 mm ² – 4 mm ² "s" and 0.75 mm ² – 2.5 mm ² "Insulated ferrules, 12 mm"		⌀ can be connected: 0.5 mm ² – 6 mm ² "s+f-st"; can be pushed in directly: 1 mm ² – 6 mm ² "s" and 0.75 mm ² – 4 mm ² "Insulated ferrule, 12 mm"	
Item-specific accessories		Item-specific accessories		Item-specific accessories	
End plate, 1.5 mm/0.059 in thick		End plate, 1.5 mm/0.059 in thick		End plate, 1.5 mm/0.059 in thick	
gray	2002-541 100 (4 x 25)	gray	2002-541 100 (4 x 25)	gray	2004-541 100 (4 x 25)
WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 4 – 4.2 mm/0.157 - 0.165 in wide		WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 - 0.205 in wide		WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 - 0.205 in wide	
793-4 ...	5 cards	793-5 ...	5 cards	793-5 ...	5 cards
794-4 ...	5 cards	794-5 ...	5 cards	794-5 ...	5 cards
see pages 78-80		see pages 78-80		see pages 78-80	



Snapping together of connectors and spacers to assemble a multi-pole connector



Wire connection:
Screwdriver actuation for connection of all conductor types, i.e. stripped stranded conductors, or push-in connection of solid or ferruled stranded conductors.



Snapping on a strain relief plate

Accessories for TOPJOB®S connectors			appropriate marker system WMB/Marker strips (see pages 80-85)		
Test plug, with cable 500-mm/1'7.7"			Strain relief plate, gray		
2.3 mm/0.091 in Ø yellow 210-137 50 (5 x 10)			snappable onto connector strips		
Test plug, with cable 500-mm/1'7.7"			Marker strips, with, plain, on roll		
2 mm/0.079 in Ø red 210-136 50 (5 x 10)			11 mm/0.039 in wide 50 m 2009-110 1		
6 mm/0.236 in wide 734-327 100 (4 x 25)			Marker strips, with, plain, on roll		
12.5 mm/0.492 in wide 734-328 100 (4 x 25)			11 mm/0.039 in wide 300 m 2009-130 1		
25 mm/0.984 in wide 734-329 100 (4 x 25)					
35 mm/1.378 in wide 734-326 100 (4 x 25)					

Connector Strips with CAGE CLAMP®S Connection Series 2001/2002/2004

0.25 – 1.5 (2.5) mm ² 500 V/6 kV/3 18 A Terminal block width 4.2 mm / 0.165 in 9 – 11 mm / 0.39 in Ⓢ pending	AWG 22 – 14 300 V, 15 A Ⓢ 300 V, 15 A Ⓢ	0.25 – 2.5 (4) mm ² Ⓢ 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in Ⓢ pending	AWG 22 – 12 300 V, 20 A Ⓢ 300 V, 20 A Ⓢ	0.5 – 4 (6) mm ² Ⓢ 500 V/6 kV/3 32 A Terminal block width 6.2 mm / 0.244 in 11 – 13 mm / 0.47 in Ⓢ pending	AWG 20 – 10 300 V, 30 A Ⓢ 300 V, 30 A Ⓢ
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Modular TOPJOB®S connector strips with CAGE CLAMP®S connection, modular, gray,		Modular TOPJOB®S connector strips with CAGE CLAMP®S connection, modular, gray,		Modular TOPJOB®S connector strips with CAGE CLAMP®S connection, modular, gray,	
2-pole	2001-552	2-pole	2002-552	2-pole	2004-552
3-pole	2001-553	3-pole	2002-553	3-pole	2004-553
4-pole	2001-554	4-pole	2002-554	4-pole	2004-554
5-pole	2001-555	5-pole	2002-555	5-pole	2004-555
6-pole	2001-556	6-pole	2002-556		
7-pole	2001-557	7-pole	2002-557		
8-pole	2001-558	8-pole	2002-558		
9-pole	2001-559	9-pole	2002-559		
10-pole	2001-560	10-pole	2002-560		
can be connected: 0.25 mm ² – 2.5 mm ² "s + f-st"; can be pushed in directly: 0.5 mm ² – 2.5 mm ² "s" and 0.75 mm ² – 1.5 mm ² "Insulated ferrule, 12 mm"		Ⓢ can be connected: 0.25 mm ² – 4 mm ² "s + f-st"; can be pushed in directly: 0.75 mm ² – 4 mm ² "s" and 0.75 mm ² – 2.5 mm ² "Insulated ferrules, 12 mm"		Ⓢ can be connected: 0.5 mm ² – 6 mm ² "s + f-st"; can be pushed in directly: 1 mm ² – 6 mm ² "s" and 0.75 mm ² – 4 mm ² "Insulated ferrule, 12 mm"	
Item-specific accessories		Item-specific accessories		Item-specific accessories	
WMB Multi marking card , 10 strips with 10 markers each, white with black printing, 4 – 4.2 mm/0.157 - 0.165 in wide 793-4 ... 5 cards 794-4 ... 5 cards see pages 78-80		WMB Multi marking card , 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 - 0.205 in wide 793-5 ... 5 cards 794-5 ... 5 cards see pages 78-80		WMB Multi marking card , 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 - 0.205 in wide 793-5 ... 5 cards 794-5 ... 5 cards see pages 78-80	



The modular connectors provide an additional connection option for conductors of the same cross section range as the terminal blocks being used.

Miniature WSB Quick marking card , 10 strips with 10 markers each, white with black printing, 5 mm / 0.197 in wide 248- ... 5 cards 249- ... 5 cards see Full Line Catalog, Volume 1, section 13	
WMB Inline , pitch 5 mm/0.197 in, stretchable 5 mm – 5.2 mm/0.197 in – 0.205 in, on roll, 1,500 markers white 2009-115 1	



The connector has a test socket for 2 mm/0.079 in or 2.3 mm/0.091 in test plugs.

Accessories for TOPJOB®S connectors			appropriate marker system WMB/Marker strips (see pages 80-85)		
Test plug , with cable 500-mm/1'7.7" 2.3 mm/0.091 in Ø yellow 210-137 50 (5 x 10)			Strain relief plate , gray snappable onto connector strips		
Test plug , with cable 500-mm/1'7.7" 2 mm/0.079 in Ø red 210-136 50 (5 x 10)			6 mm/0.236 in wide 734-327 100 (4 x 25)	Marker strips , withe, plain, on roll 11 mm/0.039 in wide 50 m 2009-110 1	
			12.5 mm/0.492 in wide 734-328 100 (4 x 25)	Marker strips , withe, plain, on roll 11 mm/0.039 in wide 300 m 2009-130 1	
			25 mm/0.984 in wide 734-329 100 (4 x 25)		
			35 mm/1.378 in wide 734-326 100 (4 x 25)		

Modular Connectors with CAGE CLAMP®S Connection, Series 2006, 2012 and 2016

Appropriate marking systems: WMB/Marking strips (see pages 80-85)

25

TOPJOB®

L-Type Test Plug Modules for Testing Rail-Mounted Terminal Blocks Terminal Block Width 5.2 mm via Conductor Wire Opening, 2002 Series

0.25 - 2.5 (4) mm² ❶ | AWG 22 - 12
500 V/6 kV/3 ❷
I_N 18 A

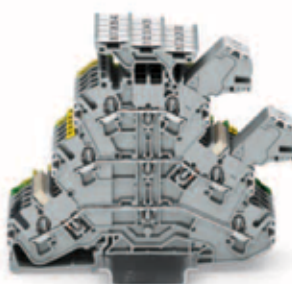
Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



Snapping together connectors and spacer modules to assemble a multipole connector.

- ❶ Conductor sizes: 0.25 mm² - 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 mm² - 4 mm² "s"
and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm"
- ❷ 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog 2010, Volume 1, Section 14)
- ❸ Strip length, see packaging or instructions.

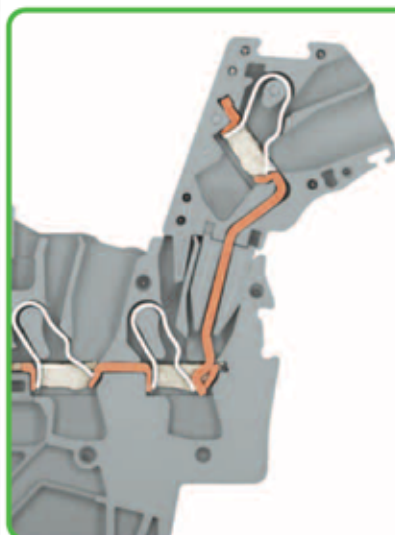
Item No.	Pack. Unit
TOPJOB®S test plug module, modular, gray	
According to EN 61984, connectors without current interrupting capacity shall not be mated and unmated when live or under load.	
1-pole	2002-611 100 (4x25)
TOPJOB®S spacer, modular, gray	
e.g., for bridging commoned terminal blocks	
gray	2002-649 100 (4x25)
Accessories L-Type Test Plug Modules	
Appropriate marking systems: WMB/Marking strips/WMB Inline	
End plate, for modular TOPJOB®S test plugs,	
1.5 mm thick	
gray	2002-641 100 (4x25)
Test plug,	
with 500 mm/17.7 in cable,	
2 mm Ø	
red	210-136 50
Test plug,	
with 500 mm/17.7 in cable,	
2.3 mm Ø	
yellow	210-137 50
Strain relief plate, gray	
35 mm wide	734-326 100 (4x25)
6 mm wide	734-327 100 (4x25)
12.5 mm wide	734-328 100 (4x25)
25 mm wide	734-329 100 (4x25)
WMB Inline, plain,	
stretchable 5 - 5.2 mm,	
1,500 WMB markers, 5 mm, on roll	
white	2009-115 1
WMB Multi marking system,	
10 strips with 10 markers per cord,	
stretchable 5 - 5.2 mm	
plain	793-5501 5



L-type test plug modules fitted in a triple-deck terminal block



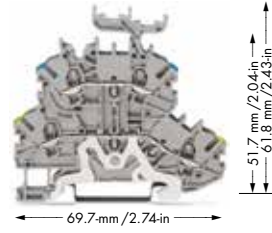
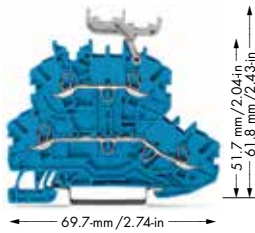
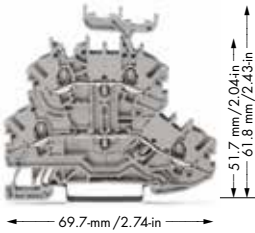
TOPJOB®S L-type test plug assembly consisting of:
L-test plug modules and spacer modules



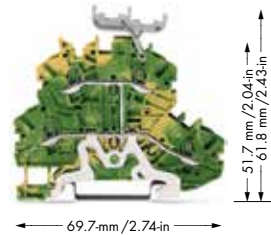
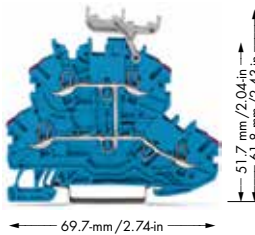
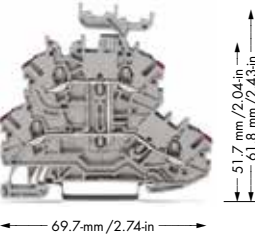
Simply push-in to conductor entry and pull out to remove

Double Deck Terminal Blocks 1 (1.5) mm²/AWG 16 Series 2000

0.14 – 1 (1.5) mm ² 500 V/6 kV/3 I _N 13.5 A	AWG 24 – 16	0.14 – 1 (1.5) mm ² 500 V/6 kV/3 I _N 13.5 A	AWG 24 – 16	0.14 – 1 (1.5) mm ² 500 V/6 kV/3 I _N 13.5 A	AWG 24 – 16
Terminal block width 3.5 mm / 0.138 in		Terminal block width 3.5 mm / 0.138 in		Terminal block width 3.5 mm / 0.138 in	
 9 – 11 mm / 0.39 in		 9 – 11 mm / 0.39 in		 9 – 11 mm / 0.39 in	



Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs			
Through/through terminal block, housing color gray			Through/through terminal block, housing color blue			Ground conductor/through terminal block, housing color gray					
Marking carrier with		without	Marking carrier with		without	Marking carrier with		without			
L/L	2000-2231	2000-2201	50	N/N	2000-2234	2000-2204	50	PE/N	2000-2247	2000-2217	50
N/L	2000-2232	2000-2202	50					PL/N	2000-2257	2000-2227	50
L/N	2000-2233	2000-2203	50								



Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs			
4-conductor through terminal block, with internal commoning, conductor entry			4-conductor through terminal block, with internal commoning, conductor entry			4-conductor ground terminal block, with internal commoning					
Position colored in violet			Position colored in violet								
Housing color gray			Housing color blue			Housing color green-yellow					
Marking carrier with	without		Marking carrier with	without		Marking carrier with	without				
L	2000-2238	2000-2208	50	N	2000-2239	2000-2209	50	PE	2000-2237	2000-2207	50

Accessories

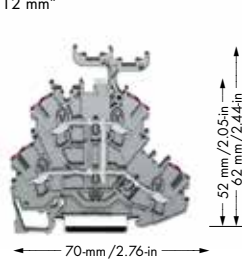
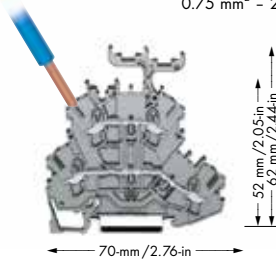
Appropriate marking system **WMB/marker strips/WMB Inline** (see pages 80-85)

End and intermediate plate, 0.7 mm thick			Double-deck marker carrier,			Protective warning marker, with high voltage symbol,		
orange 2000-2292 100 (4 x 25)			pivotable, gray			for 5 terminal blocks		
gray 2000-2291 100 (4 x 25)			2000-121 50 (4 x 25)			yellow 2000-115 100 (4 x 25)		
Push-in type jumper bars, light gray, insulated, I_N 14 A			Push-in type jumper bars, light gray, insulated, I_N 14 A			Marking strip, white, plain		
2-way 2000-402 200 (8 x 25)			1 - 3 2000-433 200 (8 x 25)			11 mm wide		
3-way 2000-403 200 (8 x 25)			1 - 4 2000-434 200 (8 x 25)			50 m roll 2009-110 1		
4-way 2000-404 200 (8 x 25)			1 - 5 2000-435 100 (4 x 25)					
5-way 2000-405 100 (4 x 25)			: :					
: :			1 - 10 2000-440 100 (4 x 25)					
10-way 2000-410 100 (4 x 25)						WMB Multi marking system,		
						10 strips with 10 markers per card,		
						for 3.5 mm terminal block width		
						plain 793-3501 5		

Double Deck Terminal Blocks 2.5 (4) mm² /AWG 12 Series 2002

0.25 – 2.5 (4) mm ² 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in UL®	AWG 22 – 12 300/600 V, 20/5 A 600 V, 20 A	0.25 – 2.5 (4) mm ² 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in UL®	AWG 22 – 12 300/600 V, 20/5 A 600 V, 20 A	
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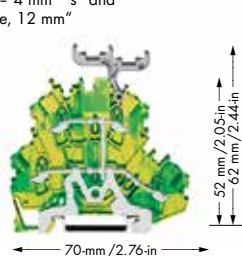
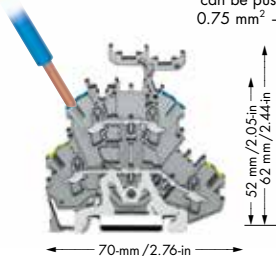
can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs
Double deck terminal blocks, for DIN 35 rail			Double deck terminal blocks, for DIN 35 rail		
Through-/through terminal blocks,			4-conductor through terminal block, internal commoning,		
housing color gray			housing color gray, conductor entry position colored in violet		
Marking carrier with	without		Marking carrier with	without	
L/L	2002-2231	2002-2201 50	L	2002-2238	2002-2208 50
N/L	2002-2232	2002-2202 50	4-conductor through terminal block,		
L/N	2002-2233	2002-2203 50	internal commoning, housing color blue,		
Housing color blue			conductor entry position colored in violet		
N/N	2002-2234	2002-2204 50	N	2002-2239	2002-2209 50
Suitable for Ex e II applications			Suitable for Ex e II applications		
Suitable for Ex i applications			Suitable for Ex i applications		



can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



Item No.	Item No.	Pack.-unit pcs	Item No.	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Double deck terminal blocks, for DIN 35 rail			Double deck terminal blocks, for DIN 35 rail				
Ground (earth) conductor/through terminal block,			4-conductor ground (earth) terminal block,				
internal commoning			internal commoning				
Housing color gray			Housing color green-yellow				
Marking carrier with	without		Marking carrier with	without			
PE/N	2002-2247	2002-2217 50	PE	2002-2237	2002-2207 50		
PE/L	2002-2257	2002-2227 50					
Suitable for Ex e II applications			Suitable for Ex e II applications				

Accessories

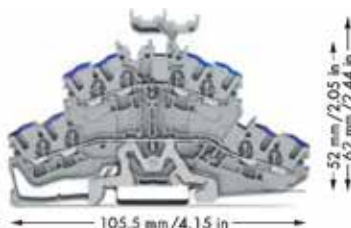
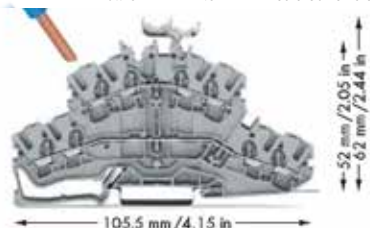
Appropriate marking system **WMB/marker strips/WMB Inline** (see pages 80-85)

End and intermediate plate, 0.8 mm/0.032 in thick		Two-way marking adapter,		Protective warning marker, with high voltage symbol,	
orange 2002-2292 100 (4 x 25)		pivotal		for 5 terminal blocks	
gray 2002-2291 100 (4 x 25)		2002-121 50 (4 x 25)		yellow 2002-115 100 (4 x 25)	
Push-in type jumper bars, light gray, insulated, I_N		Push-in type jumper bars, light gray, insulated, I_N		Marker strips, white, plain, for central marking,	
2-way 2002-402 200 (8 x 25)		1 - 3 2002-433 200 (8 x 25)		11 mm/0.433 in wide,	
3-way 2002-403 200 (8 x 25)		1 - 4 2002-434 200 (8 x 25)		on roll	
4-way 2002-404 200 (8 x 25)		1 - 5 2002-435 100 (4 x 25)		50 m 2009-110 1	
5-way 2002-405 100 (4 x 25)		1 - 10 2002-440 100 (4 x 25)		Insulation stop, see page 15	
10-way 2002-410 100 (4 x 25)					

Double Deck Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002

0.25 – 2.5 (4) mm ² ① 800 V/8 kV/3 I _N 24 A Terminal block width 5.2 / 0.205 in 10 – 12 mm / 0.43 in	AWG 22 – 12 600 V, 20 A ② 600 V, 20 A ③	0.25 – 2.5 (4) mm ² ① 800 V/8 kV/3 I _N 24 A Terminal block width 5.2 / 0.205 in 10 – 12 mm / 0.43 in	AWG 22 – 12 600 V, 20 A ② 600 V, 20 A ③
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① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm/0.472 in"



Item no.	Item no.	Pack.-unit pcs	Item no.	Item no.	Pack.-unit pcs
4-cond. double deck terminal blocks, for DIN 35 rail			8-cond. double deck terminal block, for DIN 35 rail		
Through/through terminal blocks,			Through terminal block, internal commoning,		
housing color gray			housing color gray, conductor entry position colored in violet		
Marker carrier with			Marker carrier with		
L/L	2002-2431	without 50	L	2002-2438	without 50
N/L	2002-2432	2002-2402 50			
L/N	2002-2433	2002-2403 50			
Housing color blue			Through terminal block, internal commoning,		
N/N			housing color blue, conductor entry position colored in violet		
N/N	2002-2434 ②	2002-2404 ② 50	N	2002-2439 ②	2002-2409 ② 50
② approvals in preparation			② approvals in preparation		
② Suitable for Ex i applications			② Suitable for Ex i applications		



① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm/0.472 in"



Item no.	Item no.	Pack.-unit pcs	Item no.	Item no.	Pack.-unit pcs	Item no.	Pack.-unit pcs
4-cond. double deck terminal blocks, for DIN 35 rail			8-cond. double deck terminal block, for DIN 35 rail				
Ground (earth) conductor/through terminal blocks,			Ground (earth) conductor terminal block,				
housing color gray			internal commoning, housing color green-yellow				
Marker carrier with			Marker carrier with				
PE/N	2002-2447	without 50					
PE/L	2002-2457	2002-2427 50	PE	2002-2437	2002-2407 50		
② approvals in preparation			② approvals in preparation				

Accessories

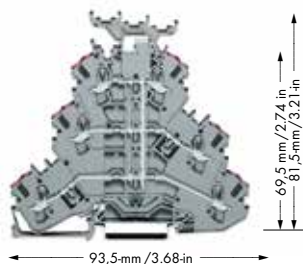
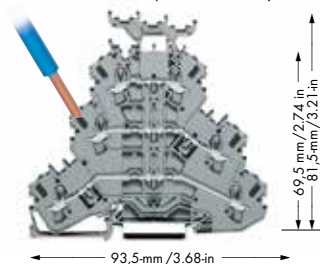
Appropriate marking system **WMB/marker strips/WMB Inline** (see pages 80-85)

End and intermediate plate, 0.8 mm / 0.031 in thick orange 2002-2492 100 (4 x 25) gray 2002-2491 100 (4 x 25)	Two-way marking adapter, pivotable 2002-121 50 (2 x 25)	Protective warning marker, yellow, with high voltage symbol, for 5 terminal blocks 2002-115 100 (4 x 25)
Push-in type jumper bar, light gray, insulated, I_N 25 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : : 10-way 2002-410 100 (4 x 25)	Push-in type jumper bar, light gray, insulated, I_N 25 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25)	Marker strips, white, plain, on roll 11 mm / 0.039 in wide 50 m 2009-110 1
		Insulation stop See TOPJOB®S catalog on page 15

Triple Deck Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002

0.25 – 2.5 (4) mm ² 500 V/6 kV/3 24 A Terminal block width 5.2 / 0.205 in  10 – 12 mm / 0.43 in 	AWG 22 – 12 300/600 V, 20/5 A  600 V, 20 A 	0.25 – 2.5 (4) mm ² 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in 	AWG 22 – 12 300/600 V, 20/5 A  600 V, 20 A 	0.25 – 2.5 (4) mm ² 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in 	AWG 22 – 12
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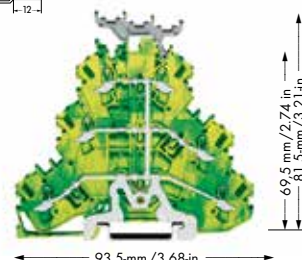
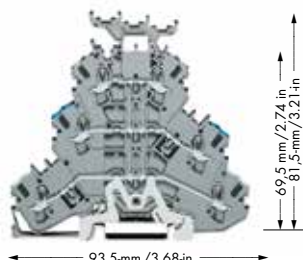
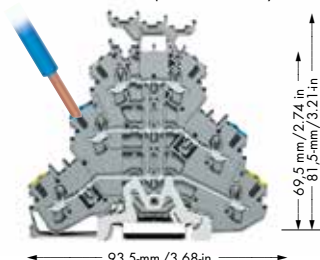
can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



Item No.	Item No.	Pack-unit pcs	Item No.	Item No.	Pack-unit pcs
Triple deck terminal blocks, for DIN 35 rail			Triple deck terminal block, for DIN 35 rail		
Through-/through-/through terminal blocks, housing color gray			6-conductor through terminal block, internal commoning, housing color gray, conductor entry position colored in violet		
Marking carrier with	without		Marking carrier with	without	
L/L/L 2002-3231	2002-3201	50	L 2002-3238	2002-3208	50
L/L/N 2002-3233	2002-3203	50	6-conductor through terminal block, internal commoning, housing color blue, conductor entry position colored in violet		
Housing color blue			N 2002-3239	2002-3209	50
N/N/N 2002-3234	2002-3204	50	Suitable for Ex e II applications		
 Suitable for Ex e II applications			 Suitable for Ex e II applications		
 Suitable for Ex i applications			 Suitable for Ex i applications		



can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



Item No.	Item No.	Pack-unit pcs	Item No.	Item No.	Pack-unit pcs	Item No.	Item No.	Pack-unit pcs
Triple deck terminal blocks, for DIN 35 rail			Triple deck terminal block, for DIN 35 rail			Triple deck terminal block, for DIN 35 rail		
Ground (earth)/through/through terminal blocks, housing color gray			Shield (screen)/through/through terminal blocks, housing color gray			6-conductor ground (earth) terminal block, internal commoning		
Marking carrier with	without		Marking carrier with	without		Marking carrier with	without	
PE/N/L 2002-3247	2002-3217	50	Shield/N/L 2002-3248	2002-3218	50	PE 2002-3237	2002-3207	50
PE/L/L 2002-3257	2002-3227	50	Shield/L/L 2002-3258	2002-3228	50	Housing color green-yellow		
Suitable for Ex e II applications			Suitable for Ex e II applications			Suitable for Ex e II applications		

Accessories

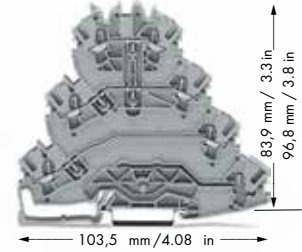
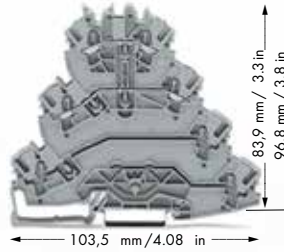
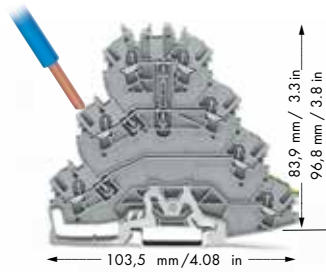
Appropriate marking system **WMB/marker strips/WMB Inline** (see pages 80-85)

End and intermediate plate, 0.8 mm/0.032 in thick  orange 2002-3292 100 (4 x 25) gray 2002-3291 100 (4 x 25)	Three-way marking adapter,  pivotable 2002-131 50 (4 x 25)	Protective warning marker, with high voltage symbol,  for 5 terminal blocks yellow 2002-115 100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I _N  2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : : 10-way 2002-410 100 (4 x 25)	Push-in type jumper bars, light gray, insulated, I _N  1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25)	Marker strips, white, plain, for central marking,  11 mm/0.433 in wide, on roll 50 m 2009-110 1
		Insulation stop, see page 15

4 Level Terminal Block and Motor Connection Terminal Block 2.5(4) mm²/AWG 12 Series 2002

0.25 – 2.5 (4) mm ² 800 V/8 kV/3 I _N 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	AWG 22 – 12	0.25 – 2.5 (4) mm ² 800 V/8 kV/3 I _N 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	AWG 22 – 12	0.25 – 2.5 (4) mm ² 800 V/8 kV/3 I _N 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	AWG 22 – 12
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Can be connected: 0.25 mm² – 4 mm² "e+f"; can be pushed in directly: 0.75 mm² – 4 mm² "e" and 0.5 mm² – 0.75 mm² "insulated ferrule, 10 mm/0.393 in"



Item no.	Pack. unit	Item no.	Pack. unit	Item no.	Pack. unit
Motor connection terminal block		Motor connection terminal block		Motor connection terminal block	
or		or		or	
4 level terminal block, for TS35 rail, gray		4 level terminal block, for TS35 rail, gray		4 level terminal block, for TS35 rail, gray	
L1 - L2 - L3 - PE		L1 - L2		L1 - L2 - L3	
Marking adapter		Marking adapter		Marking adapter	
without	2002-4127 50	without	2002-4111 50	without	2002-4101 50
with	2002-4157 50	with	2002-4141 50	with	2002-4131 50

Accessories

Appropriate marking systems: **WMB/Marker Strips** (see pages 80-85)

End and intermediate plate, 1 mm thick



orange **2002-4192** 100 (4 x 25)
gray **2002-4191** 100 (4 x 25)

Installation stop, 5 pcs/strip



light gray **2002-171** 0.25-0.5 mm²
gray **2002-172** 0.75-1 mm²

Push-in type jumper bars, light gray, insulated, I_N 25 A



2- **2002-402** 200 (8 x 25)
3- **2002-403** 200 (8 x 25)
4- **2002-404** 200 (8 x 25)
5- **2002-405** 100 (4 x 25)
:
10- **2002-410** 100 (4 x 25)

Push-in type jumper bars, light gray, insulated, I_N 25 A



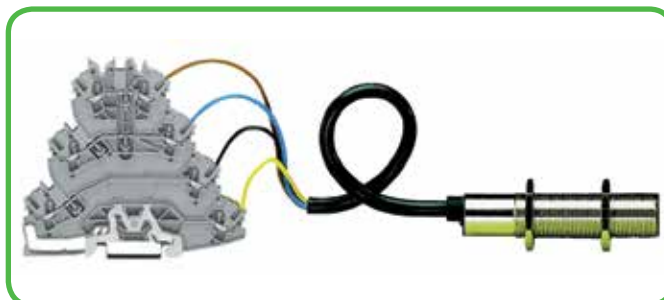
1-3 **2002-433** 200 (8 x 25)
1-4 **2002-434** 200 (8 x 25)
1-5 **2002-435** 100 (4 x 25)
:
1-10 **2002-440** 100 (4 x 25)

Protective warning marker, with high voltage symbol, for 5 terminal blocks



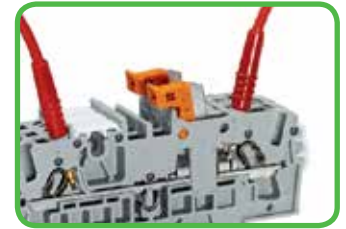
yellow **2002-115** 100 (4 x 25)

For motor and sensor applications



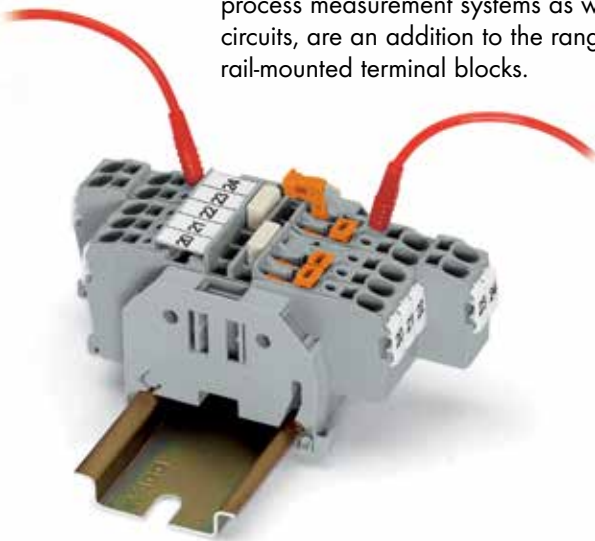


Movable knife disconnects clearly indicate the circuit state.



2- and 4-conductor disconnect terminal blocks

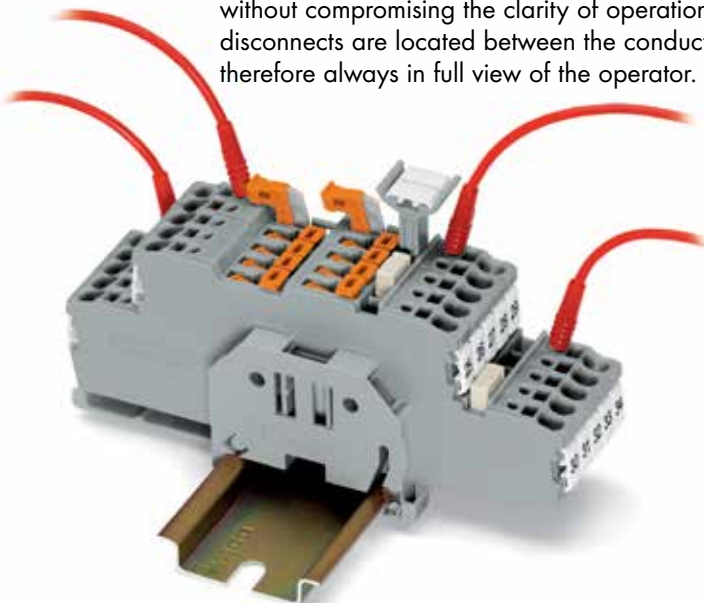
The 5.2 mm wide 2- and 4-conductor disconnect terminal blocks, that can be used in both control and process measurement systems as well as transformer circuits, are an addition to the range of TOPJOB®S rail-mounted terminal blocks.



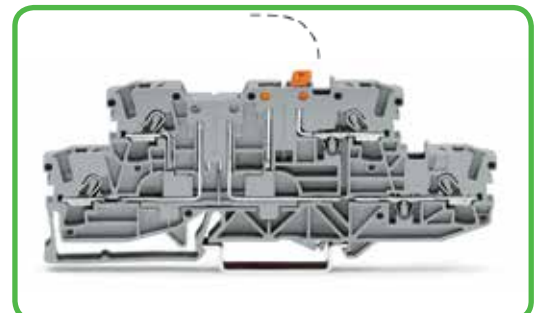
Two lateral and one center marker receptacle for WMB markers or marking strips. Dual jumper slots, in the same position as the other 2002 Series terminal blocks. Commoning options in front of or behind the knife disconnect, depending on which is the power supply side.

Double deck double disconnect terminal blocks

Disconnect terminal blocks of different potentials are accommodated on two levels in a double deck disconnect terminal block. This results in a space saving arrangement without compromising the clarity of operation. The knife disconnects are located between the conductors and are therefore always in full view of the operator.



Disconnect terminal block for test and measurement, with knife disconnect, mechanical interlock and extra jumper location.

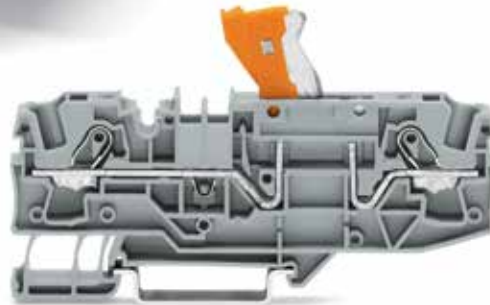


One disconnect and one through terminal block are accommodated on two levels in a terminal block that is only 5.2 mm wide.

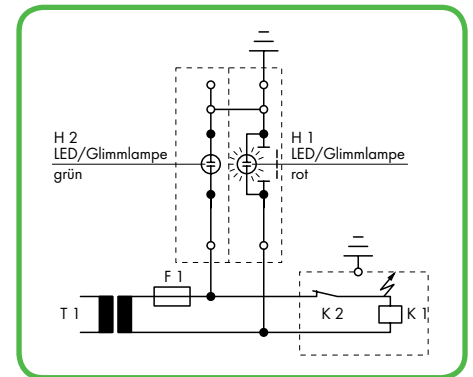
Disconnect and ground conductor disconnect terminal blocks



Through terminal blocks and disconnect terminal blocks up to 8 AWG (6 mm²)



Ground conductor disconnect - top view

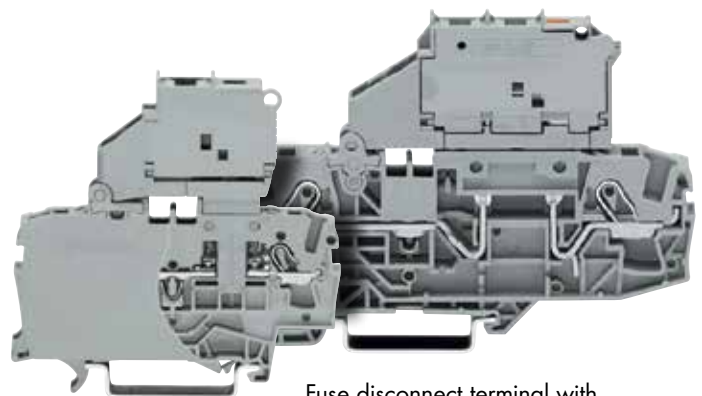


Test condition - Ground fault disconnect open, auxiliary circuit not grounded, red LED illuminates

Fuse terminal blocks



Fuse terminal for automotive fuse according to DIN 72581-3f



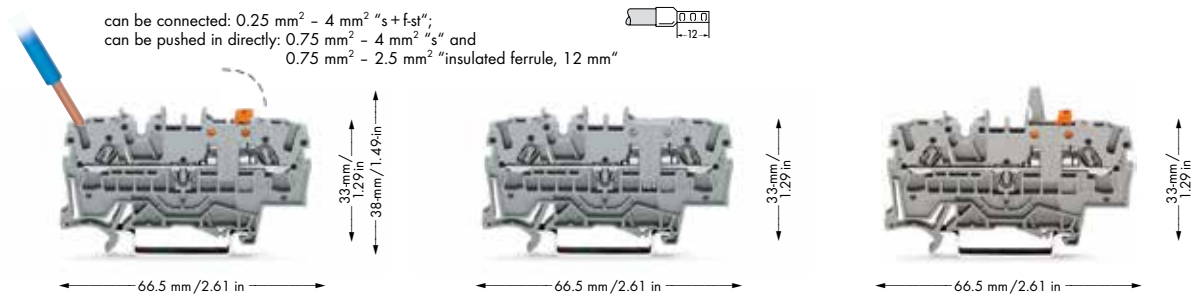
Fuse disconnect terminal with pivoting fuse holder for 5 x 20 mm and ¼" x 1 ¼" fuses



Pivoting fuse holder to locked open position

Disconnect Terminal Blocks for Test and Measurement with Movable Knife Disconnect and Through Terminal Blocks, Series 2002

0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 10 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 10 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 I _N 16 A	AWG 22 – 12 300 V, 15 A  pending
Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-conductor disconnect terminal block for test and measurement		2-conductor through terminal blocks, same profile as disconnect terminal block		2-conductor disconnect terminal block for test and measurement with mechanical interlock, with test point, orange disconnect link	
gray	2002-1671 	gray	2002-1601 	gray	2002-1671/401-000 
blue	2002-1674 	blue	2002-1604 	blue	2002-1674/401-000 
orange	2002-1672 	orange	2002-1602 	orange	2002-1672/401-000 

Item-specific accessories

End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick	
	orange 2002-1692 100 (4 x 25)		orange 2002-1692 100 (4 x 25)		orange 2002-1692 100 (4 x 25)
	gray 2002-1691 100 (4 x 25)		gray 2002-1691 100 (4 x 25)		gray 2002-1691 100 (4 x 25)

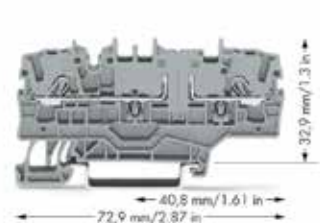
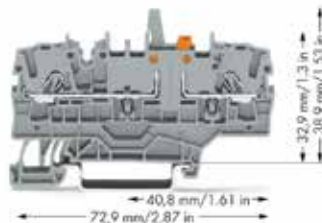
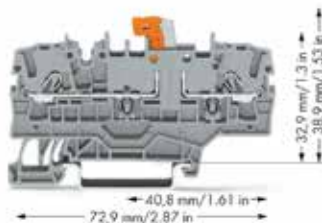
Accessories Series 2002

appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 80-85)

Insulation stop, 5 pcs/strip 200 strips		Protective warning marker,	
	light gray 2002-171 0.250.5 mm ²		for 5 terminal blocks
	dark gray 2002-172 0.75-1 mm ²		yellow 2002-115 100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I_N 25 A		Staggered jumper, light gray, insulated, I_N 25 A	
	2-way 2002-402 200 (8 x 25)		2-way 2002-472 100 (4 x 25)
	3-way 2002-403 200 (8 x 25)		3-way 2002-473 100 (4 x 25)
	4-way 2002-404 200 (8 x 25)		4-way 2002-474 100 (4 x 25)
	5-way 2002-405 100 (4 x 25)		5-way 2002-475 50 (2 x 25)
	:		:
	10-way 2002-410 100 (4 x 25)		12-way 2002-482 50 (2 x 25)
Push-in type jumper bars, light gray, insulated, I_N 25 A		Test plug adapter, for test plug 4 mm/0.157 in Ø	
	1 - 3 2002-433 200 (8 x 25)		2009-174 100 (4 x 25)
	1 - 4 2002-434 200 (8 x 25)		
	1 - 5 2002-435 100 (4 x 25)		
	:		
	1 - 10 2002-440 100 (4 x 25)		
Modular TOPJOB®S connector**, for jumper contact slot		Testing tap, for max. 2.5 mm²	
	1 pole 2002-511 100 (4 x 25)		2009-182 100 (4 x 25)
Spacer, modular 2002-549 100 (4 x 25)		Two-way marking adapter, pivotable	
			2002-121 50 (4 x 25)
Test plug, with cable 500-mm/1'7.7"			
	2 mm/0.079 in Ø		
	red 210-136 50 (5 x 10)		

Disconnect Terminal Blocks with and without Mechanical Interlock with Additional Jumper Position, Series 2002

0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 16 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in	0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 16 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in	0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 16 A Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in
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2-conductor disconnect terminal block for test and measurement, with test point, orange disconnect link, with additional jumper position gray 2002-1971 50 blue 2002-1974 50 orange 2002-1972 50	2-conductor disconnect terminal block for test and measurement with mechanical interlock, with test point, orange disconnect link, with additional jumper position gray 2002-1971/401-000 50 orange 2002-1972/401-000 50 blue 2002-1974/401-000 50	2-conductor through terminal block, with test point, with additional jumper position, same profile as 2-conductor disconnect terminal block gray 2002-1901 50 blue 2002-1904 50 orange 2002-1902 50 2-conductor ground terminal block green-yellow 2002-1907 50 Other terminal blocks with the same profile: Carrier 2002-1961 Page 42 Fuse 2002-1981 Page 39
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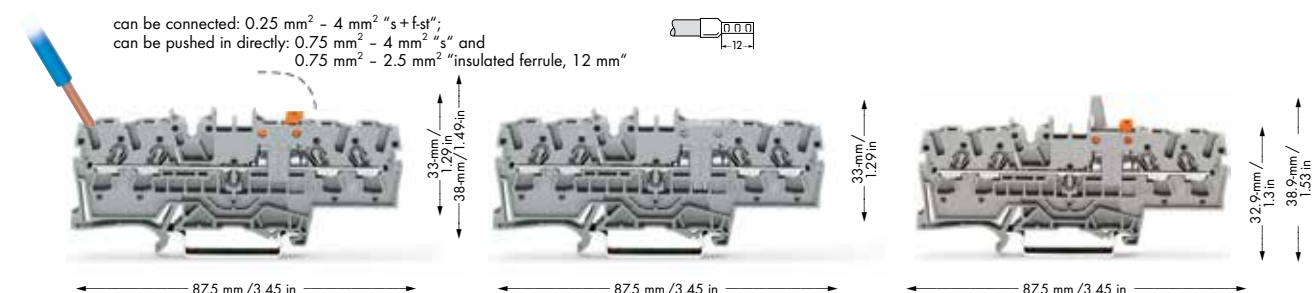
2002 Series Accessories

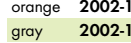
Appropriate marking systems: WMB/Marking strips/WMB Inline (see pages 80-85)

End and intermediate plate, 1 mm thick orange 2002-1992 100 (4x25) gray 2002-1991 100 (4x25)	Push-in type jumper bar, insulated, I _N 25 A, light gray 1 - 3 2002-433 200 (8x25) 1 - 4 2002-434 200 (8x25) 1 - 5 2002-435 100 (4x25) 1 - 6 2002-436 100 (4x25) 1 - 7 2002-437 100 (4x25) 1 - 8 2002-438 100 (4x25) 1 - 9 2002-439 100 (4x25) 1 - 10 2002-440 100 (4x25)	Test plug adapter, for test plug 4 mm Ø gray 2009-174 100 (4x25)
Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)		Testing tap, for max. 2.5 mm ² gray 2009-182 100 (4x25)
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)		TOPJOB®S connector, modular, for jumper contact slot gray 2002-511 100 (4x25)
Push-in type jumper bar, insulated, I _N 25 A, light gray 2-way 2002-402 200 (8x25) 3-way 2002-403 200 (8x25) 4-way 2002-404 200 (8x25) 5-way 2002-405 100 (4x25) 6-way 2002-406 100 (4x25) 7-way 2002-407 100 (4x25) 8-way 2002-408 100 (4x25) 9-way 2002-409 100 (4x25) 10-way 2002-410 100 (4x25)	Staggered jumper, insulated, I _N 25 A, light gray 2-way 2002-472 100 (4x25) 3-way 2002-473 100 (4x25) 4-way 2002-474 100 (4x25) 5-way 2002-475 50 (2x25) 6-way 2002-476 50 (2x25) 7-way 2002-477 50 (2x25) 8-way 2002-478 50 (2x25) 9-way 2002-479 50 (2x25) 10-way 2002-480 50 (2x25) 11-way 2002-481 50 (2x25) 12-way 2002-482 50 (2x25)	Spacer module, can be snapped together, e.g., for bridging commoned terminal blocks gray 2002-549 100 (4x25)
Push-in type wire jumper, insulated, I _N 16 A, wire size 1.5 mm ² 60 mm 2009-412 100 (10x10) 110 mm 2009-414 100 (10x10) 250 mm 2009-416 100 (10x10)	Protective warning marker, with high-voltage symbol, block, for 5 terminal blocks yellow 2002-115 100 (4x25)	End plate, for modular TOPJOB®S connectors, 1.5 mm thick gray 2002-541 100 (4x25)
		Test plug, with 500 mm / 17.7 in cable, 2 mm Ø red 210-136 50
		Banana plug, for socket 4 mm Ø, color mixed 215-111 50
		Double-deck marker carrier, pivoting gray 2002-121 50 (2x25)

Disconnect Terminal Blocks for Test and Measurement with Movable Knife Disconnect and Through Terminal Blocks, Series 2002

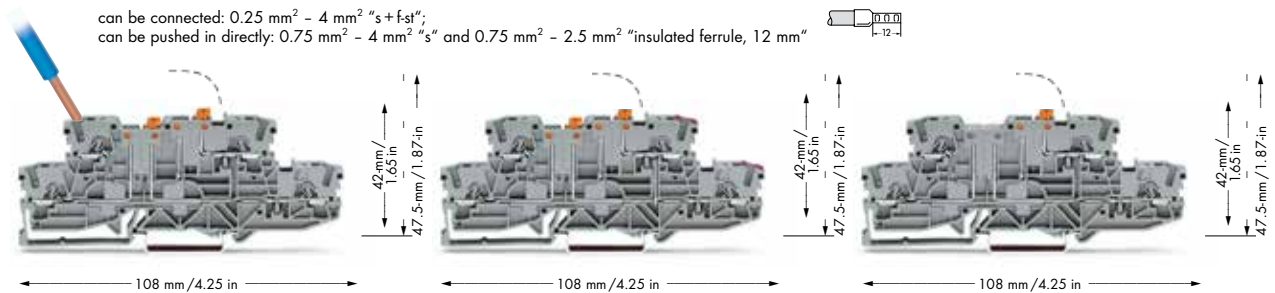
0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 15 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 15 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 I _N 16 A	AWG 22 – 12 300 V, 15 A  pending
Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
4-conductor disconnect terminal block for test and measurement		4-conductor through terminal blocks, same profile as disconnect terminal block		4-conductor disconnect terminal block for test and measurement with mechanical interlock, with test point, orange disconnect link	
gray	2002-1871 	gray	2002-1801 	gray	2002-1871/401-000 50 
blue	2002-1874 	blue	2002-1804 	blue	2002-1874/401-000 50 
orange	2002-1872 	orange	2002-1802 	orange	2002-1872/401-000 50 
Item-specific accessories					
End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick		End and intermediate plate, 1 mm/0.039 in thick	
 orange	2002-1892 100 (4 x 25)	 orange	2002-1892 100 (4 x 25)	 orange	2002-1892 100 (4 x 25)
		 gray	2002-1891 100 (4 x 25)	 gray	2002-1891 100 (4 x 25)
Accessories Series 2002 appropriate marker system WMB/Marker strips/WMB Inline (see pages 80-85)					
Insulation stop, 5 pcs/strip 200 strips		Protective warning marker, for 5 terminal blocks			
 light gray	2002-171 0.25-0.5 mm ²	 yellow	2002-115 100 (4 x 25)		
 dark gray	2002-172 0.75-1 mm ²				
Push-in type jumper bars, light gray, insulated, I _N 25 A		Staggered jumper, light gray, insulated, I _N 25 A			
 2-way	2002-402 200 (8 x 25)	 2-way	2002-472 100 (4 x 25)		
 3-way	2002-403 200 (8 x 25)	 3-way	2002-473 100 (4 x 25)		
 4-way	2002-404 200 (8 x 25)	 4-way	2002-474 100 (4 x 25)		
 5-way	2002-405 100 (4 x 25)	 5-way	2002-475 50 (2 x 25)		
:	:	:	:		
 10-way	2002-410 100 (4 x 25)	 12-way	2002-482 50 (2 x 25)		
Push-in type jumper bars, light gray, insulated, I _N 25 A		Test plug adapter, for test plug 4 mm/0.157 in Ø			
 1 - 3	2002-433 200 (8 x 25)	 2009-174	100 (4 x 25)		
 1 - 4	2002-434 200 (8 x 25)				
 1 - 5	2002-435 100 (4 x 25)				
:	:				
 1 - 10	2002-440 100 (4 x 25)	Testing tap, for max. 2.5 mm ²			
		2009-182 100 (4 x 25)			
Modular TOPJOB®S connector**, for jumper contact slot		Two-way marking adapter, pivotable			
 1 pole	2002-511 100 (4 x 25)	 2002-121	50 (4 x 25)		
Spacer, modular					
2002-549 100 (4 x 25)					
Test plug, with cable 500-mm/1'7.7"					
 red	210-136 50 (5 x 10)				

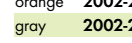
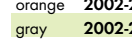
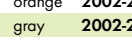
Double Deck Double Disconnect Terminal Blocks for Test and Measurement with Movable Knife Disconnect, Series 2002

0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 15 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 15 A 	0.25 – 2.5 (4) mm ² 400 V/6 kV/3 16 A	AWG 22 – 12 300 V, 15 A  300 V, 15 A 
Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in		Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	



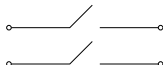
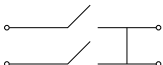
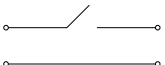
Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
4-conductor double deck double disconnect terminal blocks		4-conductor double deck double disconnect terminal blocks, lower deck and upper deck internally commoned on right side and with violet marking		4-conductor double deck disconnect terminal blocks, with disconnect on upper deck only, same profile as double deck double disconnect terminal blocks	
gray	2002-2951 	gray	2002-2958 	gray	2002-2971 
blue	2002-2954 	blue	2002-2959 	blue	2002-2974 
gray N/L	2002-2952 			gray N/L	2002-2972 

Item-specific accessories

End and intermediate plate, 1 mm / 0.039 in thick  orange 2002-2992 100 (4 x 25)  gray 2002-2991 100 (4 x 25)	End and intermediate plate, 1 mm / 0.039 in thick  orange 2002-2992 100 (4 x 25)  gray 2002-2991 100 (4 x 25)	End and intermediate plate, 1 mm / 0.039 in thick  orange 2002-2992 100 (4 x 25)  gray 2002-2991 100 (4 x 25)
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Accessories Series 2002

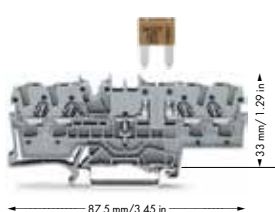
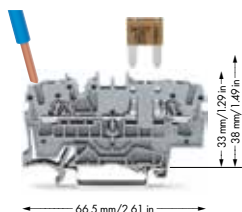
appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 80-85)

Insulation stop, 5 pcs/strip  light gray 2002-171 0.25-0.5 mm ² dark gray 2002-172 0.75-1 mm ²	Protective warning marker, for 5 terminal blocks  yellow 2002-115 100 (4 x 25)	Test plug, with cable 500-mm / 1'7.7"  2 mm / 0.079 in Ø red 210-136 50 (5 x 10)
Push-in type jumper bars, light gray, insulated, I_N 25 A  2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) 10-way 2002-410 100 (4 x 25)	Push-in type jumper bars, light gray, insulated, I_N 25 A  1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) 1 - 10 2002-440 100 (4 x 25)	Staggered jumper, light gray, insulated, I_N 25 A  2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) 12-way 2002-482 50 (2 x 25)
Modular TOPJOB®S connector** , for jumper contact slot  1 pole 2002-511 100 (4 x 25)	Test plug adapter, for test plug 4 mm / 0.157 in Ø  2009-174 100 (4 x 25)	
Spacer, modular 2002-549 100 (4 x 25)	Testing tap, for max. 2.5 mm²  2009-182 100 (4 x 25)	
Circuit: 	Circuit: 	Circuit: 

Fuse Terminal Blocks for Blade-Type Fuses

acc. to DIN 72581-3f, ISO 8820-3, Series 2002

0.25 – 2.5 (4) mm² ① 400 V/6 kV/3 I_N 10 A ② Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² ① 400 V/6 kV/3 I_N 10 A ② Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² ① 400 V/6 kV/3 I_N 10 A ② Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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① can be connected: 0.25 mm² – 4 mm² "s+f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and
 0,75 mm² – 2,5 mm² "insulated ferrule, 12 mm/0.472 in"



Item no.	Pack. unit	Item no.	Pack. unit
2-conductor fuse terminal blocks		4-conductor fuse terminal blocks	
gray 2002-1681		gray 2002-1881	
② - Individual arrangement: 10 A - Block arrangement: 5 A Please note touchproof protection from 42 V		② - Individual arrangement: 10 A - Block arrangement: 5 A Please note touchproof protection from 42 V	

Article-specific accessories

End and intermediate plate, 1 mm/0.039 in thick orange 2002-1692 100 (4 x 25) gray 2002-1691 100 (4 x 25)	End and intermediate plate, 1 mm/0.039 in thick orange 2002-1892 100 (4 x 25) gray 2002-1891 100 (4 x 25)
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Accessories Series 2002

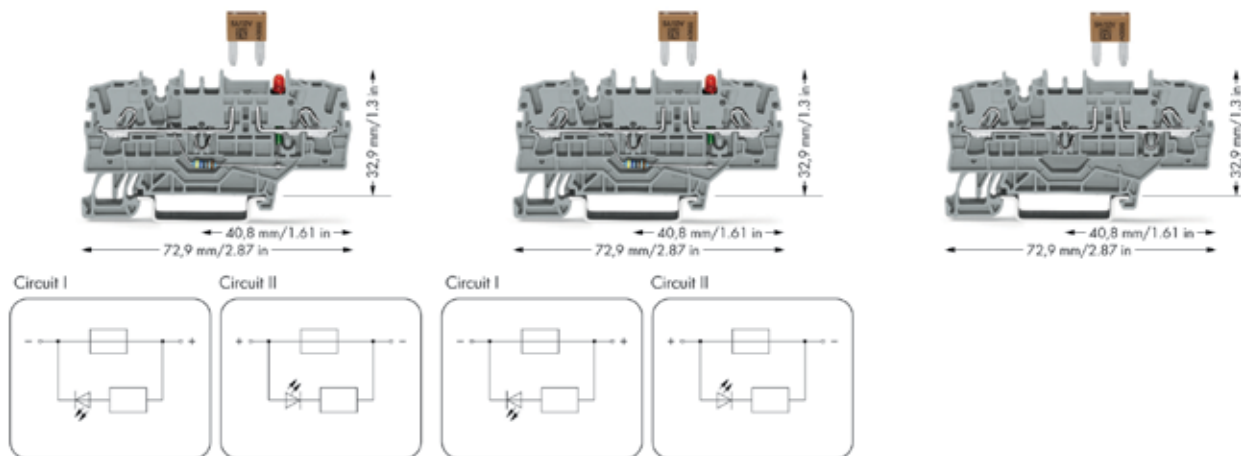
Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see pages 80-85)

Insulation stop, 5 pcs/strip 200 strips light gray 2002-171 0.25-0.5 mm ² dark gray 2002-172 0.75-1 mm ²	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4 x 25)	The rated currents of the fuse cartridges are defined differently in international standards. Due to the different current rating definitions, the recommended current-carrying permanent capacity of the fuses is max. 80% of their rated current according to DIN 72581 part 3 (for an ambient operating temperature of 23 °C). Selecting the correct fuse cartridge is important for product safety within applications as well as the service life/operational reliability of the fuse cartridges. Fuse cartridges can operate perfectly as protection (break-off point) if they are properly selected and are used in accordance with the manufacturers specifications. In general it is necessary to test fuse cartridges under normal conditions and operational failures within your application.
Push-in type jumper bars, light gray, insulated, I_N 25 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : 10-way 2002-410 100 (4 x 25)	Staggered jumpers, light gray, insulated, I_N 25 A 2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) : 12-way 2002-482 50 (2 x 25)	
Push-in type jumper bars, light gray, insulated, I_N 25 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : 1 - 10 2002-440 100 (4 x 25)	Test plug adapter, for test plug Ø 4 mm/0.157 in 2009-174 100 (4 x 25)	
Modular TOPJOB®S connector, for jumper contact slot 1 pole 2002-511 100 (4 x 25)	Testing tap, for max. 2.5 mm²/AWG 14 2009-182 100 (4 x 25)	
Spacer, modular 2002-549 100 (4 x 25)	Two-way marking adapter, pivotable 2002-121 50 (2 x 25)	
Blade-type fuses acc. to DIN 72581-3f / ISO 8820-3 (contact WAGO)	Test plug, with cable 500mm/1'7.7", Ø 2 mm/0.079 in red 210-136 50 (5 x 10)	

With regard to the product safety, it is in general necessary to test the fuse in the appliance under normal conditions and operational failures.

Fuse Terminal Blocks for Blade-Type Fuses with Indication or Additional Jumper Position, Series 2002

0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 10 A ② Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in	0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 10 A ② Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in	0.25 - 2.5 (4) mm ² AWG 22 - 12 400 V/6 kV/3 I _N 10 A ② Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor fuse terminal block for mini-automotive blade-style fuses, 12V, with test point, with blown fuse indication by LED, power consumption LED: 4.8 mA, gray		2-conductor fuse terminal block for mini-automotive blade-style fuses, 24 V, with test point, with blown fuse indication by LED, power consumption LED: 4.8 mA, gray		2-conductor fuse terminal block for mini-automotive blade-style fuses, with test point, with additional jumper position, without blown fuse indication,	
Nominal voltage and current given by the LED or fuse.		Nominal voltage and current given by the LED or fuse.		Nominal voltage and current are determined by the fuse.	
Blade-style fuses, please note touchproof protection for 42V and higher.		Blade-style fuses, please note touchproof protection for 42V and higher.		Blade-style fuses, please note touchproof protection for 42V and higher.	
Circuit I 2002-1981/1000-429 50		Circuit I 2002-1981/1000-413 50		gray 2002-1981 50	
Circuit II 2002-1981/1000-449 50		Circuit II 2002-1981/1000-434 50			
Other terminal blocks with the same profile:				Contact WAGO for blade style fuses	
Through 2002-1901	Page 35				

2002 Series Accessories

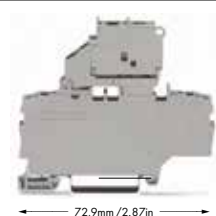
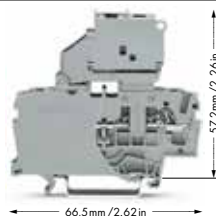
Appropriate marking systems: WMB/Marking strips/WMB Inline (see pages 80-85)

End and intermediate plate, 1 mm thick orange 2002-1992 100 (4x25) gray 2002-1991 100 (4x25)	Push-in type jumper bar, insulated, I _N 25 A, light gray 1 - 3 2002-433 200 (8x25) 1 - 4 2002-434 200 (8x25) 1 - 5 2002-435 100 (4x25) 1 - 6 2002-436 100 (4x25) 1 - 7 2002-437 100 (4x25) 1 - 8 2002-438 100 (4x25) 1 - 9 2002-439 100 (4x25) 1 - 10 2002-440 100 (4x25)	Staggered jumper, insulated, I _N 25 A, light gray 2-way 2002-472 100 (4x25) 3-way 2002-473 100 (4x25) 4-way 2002-474 100 (4x25) 5-way 2002-475 50 (2x25) 6-way 2002-476 50 (2x25) 7-way 2002-477 50 (2x25) 8-way 2002-478 50 (2x25) 9-way 2002-479 50 (2x25) 10-way 2002-480 50 (2x25) 11-way 2002-481 50 (2x25) 12-way 2002-482 50 (2x25)
Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)	Push-in type wire jumper, insulated, I _N 16 A, wire size 1.5 mm ² 60 mm 2009-412 100 (10x10) 110 mm 2009-414 100 (10x10) 250 mm 2009-416 100 (10x10)	Double-deck marker carrier, pivoting gray 2002-121 50 (2x25)
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4x25)	TOPJOB®S connector, modular, for jumper contact slot gray 2002-511 100 (4x25)
Push-in type jumper bar, insulated, I _N 25 A, light gray 2-way 2002-402 200 (8x25) 3-way 2002-403 200 (8x25) 4-way 2002-404 200 (8x25) 5-way 2002-405 100 (4x25) 6-way 2002-406 100 (4x25) 7-way 2002-407 100 (4x25) 8-way 2002-408 100 (4x25) 9-way 2002-409 100 (4x25) 10-way 2002-410 100 (4x25)		

Fuse Disconnect Terminal Blocks with Pivotal Fuse Holder, 2.5 (4) mm²/AWG 12, for Miniature Metric Fuses 5 x 20 mm, Series 2002

0.25 – 2.5 (4) mm ² 250 V/6 kV/3 ① 6.3 A ② Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	AWG 22 – 12 250 V, 6.3 A ③ 250 V, 6.3 A ④	0.25 – 2.5 (4) mm ² ① 250 V/6 kV/3 ② I _N 6.3 A Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	AWG 22 – 12
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- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see also Full Line Catalog, Volume 1, Section 14)
- ② Nominal voltage and current are given by the LED or fuse
- ③ Leakage current in case of blown fuse:
LED 2 mA



Description	Item no.	Pack. unit	Item no.	Pack. unit
Fuse disconnect terminal block with pivotable fuse holder,	2-conductor fuse terminal block with end plate, without blown fuse indication		2-conductor fuse terminal block with end plate, with additional jumper position, without blown fuse indication	
for DIN 35 rail,				
for miniature metric fuses 5 x 20 mm	gray 2002-1611	50	gray 2002-1911	50
	2-conductor fuse terminal block with end plate, with blown fuse indication by LED		2-conductor fuse terminal block with end plate, with blown fuse indication by LED	
5 x 20 mm	gray 12 – 30 V = ③ 2002-1611/1000-541	50	12 - 30 V = ③ 2002-1911/1000-541	50
5 x 20 mm	gray 30 – 65 V = ③ 2002-1611/1000-542	50	30 - 65 V = ③ 2002-1911/1000-542	50
5 x 20 mm	gray 110 – 250 V = ③ 2002-1611/1000-836	50	230 V = ③ 2002-1911/1000-836	50

Article-specific accessories

	End plate for fuse terminal blocks, 2 mm/0.079 in thick		End plate for fuse terminal blocks, 2 mm/0.079 in thick
	gray 2002-991 100 (4x25)		gray 2002-991 100 (4x25)
	orange 2002-992 100 (4x25)		orange 2002-992 100 (4x25)

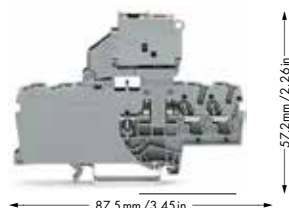
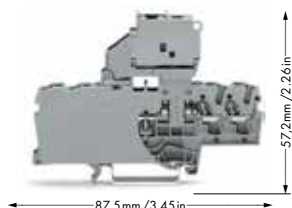
Accessories

Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see pages 80-85)

	Insulation stop, 5 pcs/strip 200 strips		Insulation stop, 5 pcs/strip 200 strips
	light gray 2002-171 0.25-0.5 mm ²		light gray 2002-171 0.25-0.5 mm ²
	dark gray 2002-172 0.75-1 mm ²		dark gray 2002-172 0.75-1 mm ²
	must be applied individually		must be applied individually
	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks		Protective warning marker, with high voltage symbol, black, for 5 terminal blocks
	yellow 2002-115 100 (4 x 25)		yellow 2002-115 100 (4 x 25)
	must be applied individually		must be applied individually
	Push-in type jumper bars, light gray, insulated, I_N 25 A		Push-in type jumper bars, light gray, insulated, I_N 25 A
	2-way 2004-402 200 (8 x 25)		2-way 2004-402 200 (8 x 25)
	3-way 2004-403 200 (8 x 25)		3-way 2004-403 200 (8 x 25)
	4-way 2004-404 200 (8 x 25)		4-way 2004-404 200 (8 x 25)
	5-way 2004-405 100 (4 x 25)		5-way 2004-405 100 (4 x 25)
	: :		: :
	10-way 2004-410 100 (4 x 25)		10-way 2004-410 100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I_N 25 A		Push-in type jumper bars, light gray, insulated, I_N 25 A
	1 - 3 2004-433 200 (8 x 25)		1 - 3 2004-433 200 (8 x 25)
	1 - 4 2004-434 200 (8 x 25)		1 - 4 2004-434 200 (8 x 25)
	1 - 5 2004-435 100 (4 x 25)		1 - 5 2004-435 100 (4 x 25)
	: :		: :
	1 - 10 2004-440 100 (4 x 25)		1 - 10 2004-440 100 (4 x 25)
	Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø		Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø
	red 210-136 50 (5 x 10)		red 210-136 50 (5 x 10)

Fuse Disconnect Terminal Blocks with Pivotal Fuse Holder, 2.5 (4) mm²/AWG 12, for Miniature Metric Fuses 5 x 20 mm, Series 2002

0.25 – 2.5 (4) mm² AWG 22 – 12 250 V/6 kV/3 ① 250 V, 6.3 A ② 6.3 A ② 250 V, 6.3 A ③ Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² AWG 22 – 12 250 V/6 kV/3 ① 250 V, 6.3 A ② 6.3 A ② 250 V, 6.3 A ③ Terminal block width 6.2 mm / 0.244 in  10 – 12 mm / 0.43 in	Application notes
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Item no.	Pack. unit	Item no.	Pack. unit
4-conductor fuse terminal block with end plate, without blown fuse indication		4-conductor fuse terminal blocks with end plate, with blown fuse indication by LED	
gray	2002-1811 50	gray 12 – 30 V ≈  2002-1811/1000-541	50
		gray 30 – 65 V ≈  2002-1811/1000-542	50
		gray 110 – 250 V ≈  2002-1811/1000-836	50
End plate for fuse terminal blocks, 2 mm/0.079 in thick		End plate for fuse terminal blocks, 2 mm/0.079 in thick	
 gray	2002-991 100 (4x25)	 gray	2002-991 100 (4x25)
	orange 2002-992 100 (4x25)		orange 2002-992 100 (4x25)
Appropriate marker systems: WMB/Marker Strips/WMB Inline (see pages 80-85)			
Insulation stop, 5 pcs/strip		Insulation stop, 5 pcs/strip	
 light gray	2002-171 0.25-0.5 mm ²	 light gray	2002-171 0.25-0.5 mm ²
	dark gray 2002-172 0.75-1 mm ²		dark gray 2002-172 0.75-1 mm ²
must be applied individually		must be applied individually	
Protective warning marker, with high voltage symbol, black, for 5 terminal blocks		Protective warning marker, with high voltage symbol, black, for 5 terminal blocks	
 yellow	2002-115 100 (4 x 25)	 yellow	2002-115 100 (4 x 25)
must be applied individually		must be applied individually	
Push-in type jumper bars, light gray, insulated, I_N 25 A		Push-in type jumper bars, light gray, insulated, I_N 25 A	
 2-way	2004-402 200 (8 x 25)	 2-way	2004-402 200 (8 x 25)
	3-way 2004-403 200 (8 x 25)		3-way 2004-403 200 (8 x 25)
	4-way 2004-404 200 (8 x 25)		4-way 2004-404 200 (8 x 25)
	5-way 2004-405 100 (4 x 25)		5-way 2004-405 100 (4 x 25)
:	:	:	:
10-way	2004-410 100 (4 x 25)	10-way	2004-410 100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I_N 25 A		Push-in type jumper bars, light gray, insulated, I_N 25 A	
 1 - 3	2004-433 200 (8 x 25)	 1 - 3	2004-433 200 (8 x 25)
	1 - 4 2004-434 200 (8 x 25)		1 - 4 2004-434 200 (8 x 25)
	1 - 5 2004-435 100 (4 x 25)		1 - 5 2004-435 100 (4 x 25)
:	:	:	:
1 - 10	2004-440 100 (4 x 25)	1 - 10	2004-440 100 (4 x 25)
Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø		Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in Ø	
 red	210-136 50 (5 x 10)	 red	210-136 50 (5 x 10)



Fuse terminal blocks with a width of 6.2 mm/0.244 in can be assembled adjacent to each other.

At the end of an assembly, if there is **no** adjacent fuse or disconnect terminal block, an end plate for fuse terminal blocks must be used.

When selecting miniature metric fuses, the maximum power loss listed below should not be exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23 °C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature metric fuses. Therefore, in such applications the rated current must be reduced if necessary. More details from the manufacturer.

Miniature metric fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual arrangement	Group arrangement	Individual arrangement	Group arrangement
Fuse terminal blocks				
2002-1611	1.6 W	1.6 W	2.5 W	2.5 W
2002-1811				
2002-1911				
2002-1811/.....	1.6 W	1.6 W	2.5 W	2.5 W
2002-1611/.....				
2002-1911/.....				

Protective warning marker and insulation stop must be singularized.
Due to the 6.2 mm/0.244 in width of the fuse terminal blocks with pivotable fuse holder, 2004 Series jumpers must be used.

TOPJOB®

Fuse Plugs, Series 2004 and Carrier Terminal Blocks, Series 2002

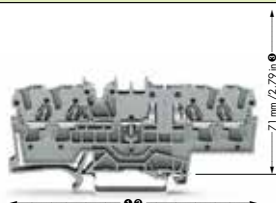
* Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively.

250 V max.*
6.3 max.

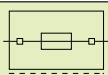
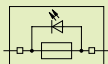
250 V, 6.3 A 
250 V, 6.3 A 

250 V max.*
6.3 max.

250 V, 6.3 A 
250 V, 6.3 A 



Note: 2002-1961 carrier terminal block offers an extra jumper location

Open side of terminal block	Description	Item no.	Pack. unit
	Fuse plug, for miniature metric fuses 5 x 20 mm	6.1 mm/0.24 in width with pull-tab 2004-0911	50
	Fuse plug, same as above, with additional indicator lamp, LED, AC/DC 12 – 30 V, LED, AC/DC 30 – 65 V, can be used in both switching directions	6.1 mm/0.24 in width with pull-tab 2004-0911/1000-0541 2004-0911/1000-0542	50 50
Leakage current in case of blown fuse: LED 2mA	AC/DC 120 V – 230 V	6.1 mm/0.24 in width with pull-tab 2004-0911/1000-0836	50

Terminal blocks and accessories

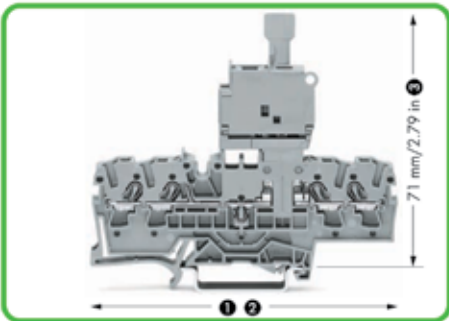
Appropriate marker systems: Terminal block **WMB/Marker Strips** (see pages 80-85)

	2-conductor carrier terminal block ①, 0.25–2.5 (4) mm ² /AWG 22–12 Stripped length 9–10 mm/0.37 in	Terminal block width 5.2 mm/0.205 in gray 2002-1661	50	Terminal block width 5.2 mm/0.205 in gray 2002-1961	50
	End and intermediate plate, for 2-cond. carrier term. block Item No. 2002-1661	1 mm/0.039 thick orange 2002-1692 gray 2002-1691	100 (4 x 25) 100 (4 x 25)	1 mm/0.039 thick orange 2002-1992 gray 2002-1991	100 (4 x 25) 100 (4 x 25)
	4-conductor carrier terminal block ②, 0.25–2.5 (4) mm ² /AWG 22–12 Stripped length 10–12 mm/0.43 in	Terminal block width 6 mm/0.236 in gray 2002-1861	50		
	End and intermediate plate, for 4-cond. carrier term. block Item No. 2002-1861	1 mm/0.039 thick orange 2002-1892 gray 2002-1891	100 (4 x 25) 100 (4 x 25)		
	Shorting link, 5 x 20 mm, 6.3 A, if the fuse plug is used as disconnect plug	281-503	250 (10 x 25)	281-503	250 (10 x 25)
	End plate for fuse plug	2 mm/0.079 thick orange 2002-0991 gray 2002-0992	100 (4 x 25) 100 (4 x 25)	2 mm/0.079 thick orange 2002-0991 gray 2002-0992	100 (4 x 25) 100 (4 x 25)
	Disconnect plug for carrier terminal blocks, 10 A, suited when using a carrier terminal block as disconnect terminal block	2002-401	250 (10 x 25)	2002-401	250 (10 x 25)



- ① 66.5 mm/2.62 in (2-conductor)
- ② 87.5 mm/3.45 in (4-conductor)
- ③ with inserted fuse plug

Technical Information



Fuse plug dimensions:
1 66.5 mm/2.62 in for 2002-1661
2 87.5 mm/3.45 in for 2002-1861
3 with inserted fuse plug

Using pluggable fuse holders with rail-mount terminal blocks for control circuit protection is highly advantageous for the user since the function and the wiring are accomplished by two separate parts:

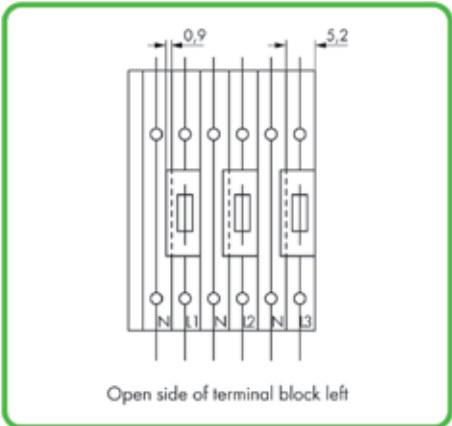
- No additional cost for assembly and wiring
- No risk of accidental contact with live parts during disconnection of fuse plug
- If exchanging a defective fuse, the fuse plug is completely separated from the carrier terminal block. This provides safe fuse changeout away from current carrying parts
- The fuse plug can be removed by service personnel, avoiding unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug."

The following fuse plug features provide quick and safe handling:

- Optional LED indicates blown fuse
- Marking slot on the fuse plug for clear coordination to the correct carrier terminal block
- Two touchproof test slots
- High density with only 6.1 mm/0.24 in width of terminal block/fuse plug
- Instead of a fuse, a shorting link may be used as a disconnect plug.

Miniature metric fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
Fuse terminal blocks				
2004-911	1.6 W	1.6 W	2.5 W	2.5 W
2004-911/.....				

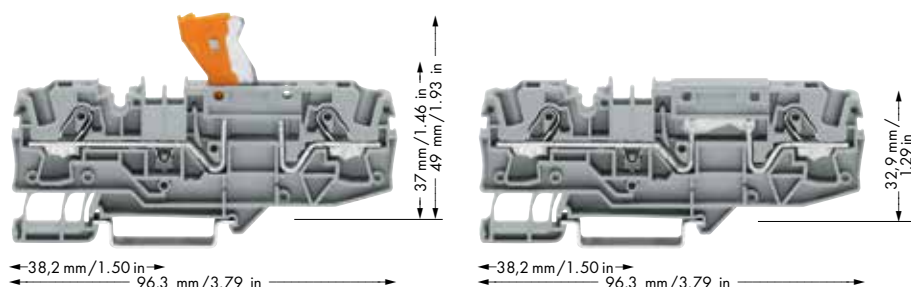


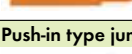
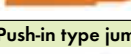
Please note:
The extra width of the plug (6.1 mm/0.24 in compared to 5.2 mm/0.2 in for carrier terminal blocks) must be compensated for by intermediate plates (1 mm/0.039 in) when building an assembly of carrier terminal blocks equipped with fuse plugs.

Disconnect Terminal Blocks 6 (10) mm² (AWG 8)/30 A and Through Terminal Blocks of Same Shape, Series 2006

0.5 – 6 (10) mm² AWG 20 – 8 800 V/6 kV/3 ① 600 V, 30 A,  I_N 30 A Terminal block width 7.5 mm / 0.295 in  13 – 15 mm / 0.55 in	0.5 – 6 (10) mm² AWG 20 – 8 800 V/6 kV/3 ① 600 V, 30 A,  I_N 30 A Terminal block width 7.5 mm / 0.295 in  13 – 15 mm / 0.55 in
--	--

- ① 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree



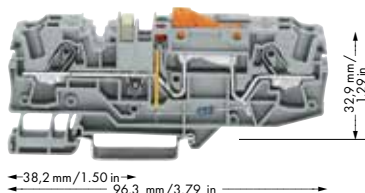
Description	Item no.	Pack. unit	Item no.	Pack. unit
Disconnect terminal block, ground (earth) conductor disconnect terminal block and through terminal block, for DIN 35 rail	2-conductor disconnect terminal blocks, with testing facility, disconnect link orange		2-conductor through terminal blocks, with testing facility, of same shape as disconnect terminal blocks at the left	
	gray 2006-1671	25	gray 2006-1601	25
	blue 2006-1674	25	blue 2006-1604	25
Accessories Appropriate marker systems: WMB/Marker Strips/WMB Inline (see pages 80-85)				
	2-conductor disconnect end plates, 1 mm/0.039 in thick		2-conductor disconnect end plates, 1 mm/0.039 in thick	
	 orange 2006-1692 100 (4 x 25)		 orange 2006-1692 100 (4 x 25)	
	 gray 2006-1691 100 (4 x 25)		 gray 2006-1691 100 (4 x 25)	
	Push-in type jumper bars, light gray, insulated, I_N 41 A		Push-in type jumper bars, light gray, insulated, I_N 41 A	
	 2-way 2006-402 50 (2 x 25)		 2-way 2006-402 50 (2 x 25)	
	3-way 2006-403 50 (2 x 25)		3-way 2006-403 50 (2 x 25)	
	4-way 2006-404 50 (2 x 25)		4-way 2006-404 50 (2 x 25)	
	5-way 2006-405 50 (2 x 25)		5-way 2006-405 50 (2 x 25)	
	Push-in type jumper bars, light gray, insulated, I_N 41 A		Push-in type jumper bars, light gray, insulated, I_N 41 A	
	 1 - 3 2006-433 50 (2 x 25)		 1 - 3 2006-433 50 (2 x 25)	
	1 - 4 2006-434 50 (2 x 25)		1 - 4 2006-434 50 (2 x 25)	
	1 - 5 2006-435 50 (2 x 25)		1 - 5 2006-435 50 (2 x 25)	
	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks		Protective warning marker, with high voltage symbol, black, for 5 terminal blocks	
	 yellow 2006-115 100 (4 x 25)		 yellow 2006-115 100 (4 x 25)	



Ground (Earth) Conductor Disconnect Terminal Blocks 6 (10) mm² (AWG 8)/30 A, Series 2006

0.5 – 6 (10) mm² | AWG 20 – 8
500 V/6 kV/3 ①
I_N 30 A

Terminal block width 15 mm / 0.59 in
13 – 15 mm / 0.55 in



Item no.	Pack. unit
Ground (earth) cond. disconnect term. blocks, gray	
f. AC/DC 24 V 2006-1671/1000-0848	12
f. AC/DC 48 V 2006-1671/1000-0849	12
f. AC/DC 120 V 2006-1671/1000-0850	12
f. AC/DC 230 V 2006-1671/1000-0851	12
Appropriate marker systems: WMB/Marker Strips/WMB Inline	
2-conductor disconnect end plates, 1 mm/0.039 in thick	
orange 2006-1692	100 (4 x 25)
gray 2006-1691	100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I_N 41 A	
2-way 2006-402	50 (2 x 25)
Protective warning marker, with high voltage symbol, black, for 5 terminal blocks	
yellow 2006-115	100 (4 x 25)

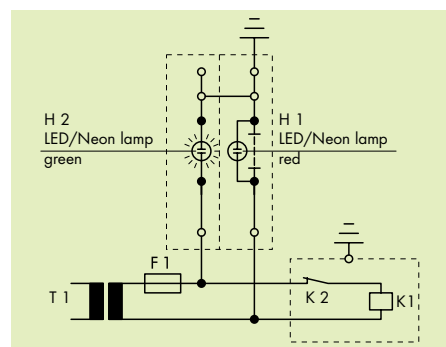
IEC 204-1:1992 "Electrical equipment of industrial machines, part 1: General requirements" 9.4.3.1:

Earth faults on control circuits shall not cause unintentional starting, hazardous movements, or prevent stopping of the machine.

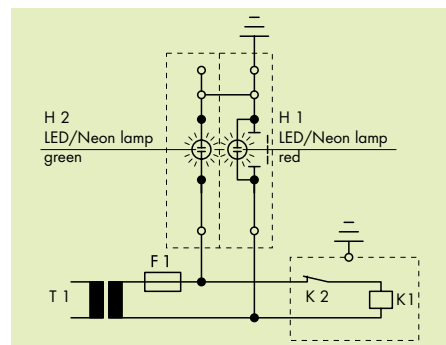
In order to fulfill this requirement, bonding to the protective bonding circuit shall be provided in accordance with 8.2 and the devices shall be connected as described in 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit shall be provided with an insulation monitoring device (e. g. residual current device) which either indicates an earth fault or interrupts the circuit automatically after an earth fault.

In the case of electronic circuits, the connection of one side of the control circuit to the protective bonding circuit in accordance with 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons electronic circuits cannot be connected to the protective bonding circuit, other measures shall be taken to achieve the same level of safety.

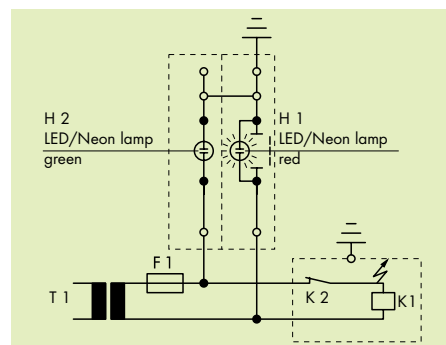
Where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor which is either not earthed or earthed through a high impedance, multi-pole control switches which interrupt all live conductors shall be used for start or stop of those machine functions which can cause a hazardous condition or damage to the machine or to the work in progress, in the event of unintentional starting or failure to stop.



Operating condition
slide link closed, auxiliary circuit grounded (earthed), green lamp lights.



Test condition – no grounding (earthing)
slide link open, auxiliary circuit not grounded (earthed).

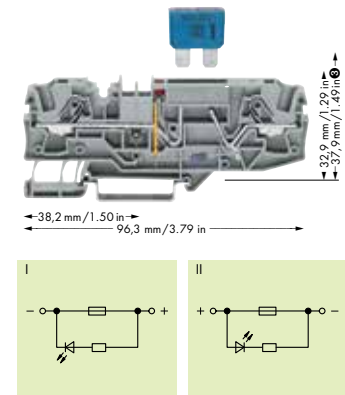
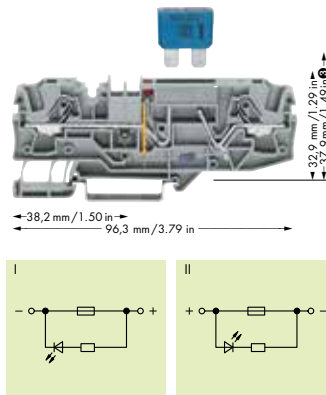


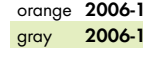
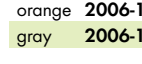
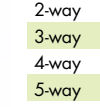
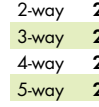
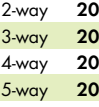
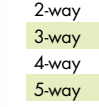
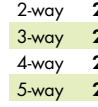
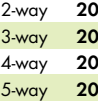
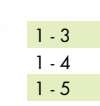
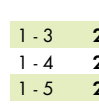
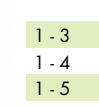
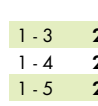
Fault condition – grounding (earthing)
slide link open, auxiliary circuit not grounded (earthed), red lamp lights.

Fuse Terminal Blocks for Automotive Blade-Type Fuses acc. to DIN 72581-3c/ISO 8820-3, 6 (10) mm² (AWG 8)/30 A, Series 2006

	0.2 – 6 (10) mm² AWG 20 – 8 800 V/8 kV/3 ① ② 12 V, 30 A,  25/30 A ② ④ Terminal block width 7.5 mm / 0.295 in  12 – 13 mm / 0.49 in	0.2 – 6 (10) mm² AWG 20 – 8 800 V/8 kV/3 ① ② 24 V, 30 A,  25/30 A ② ④ Terminal block width 7.5 mm / 0.295 in  12 – 13 mm / 0.49 in
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- ① 800 V = rated voltage
 8 kV = rated surge voltage
 3 = pollution degree
 (see also Full Line Catalog W4, Volume 1, Section 15)
- ② Electrical data are determined by the fuse.
 (Blade-type cartridges, for 42 V and more touchproof protection)
 Current consumption LED 4.8 mA
- ③ with inserted fuse

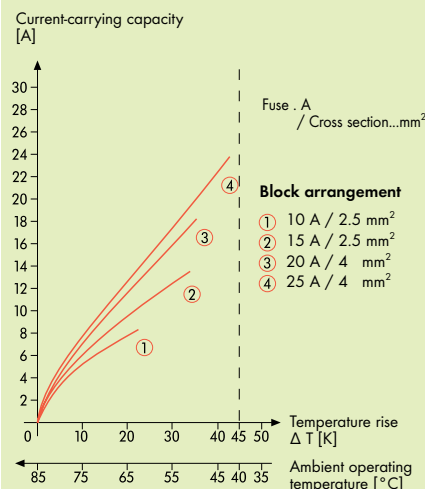
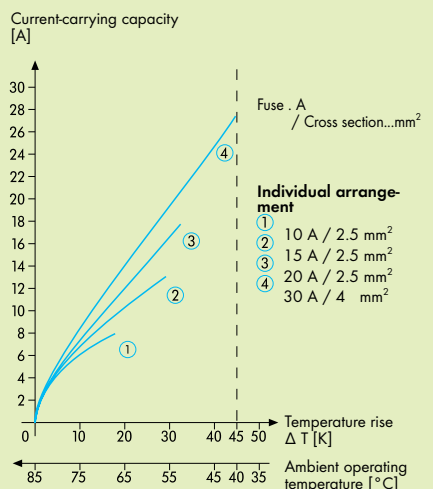
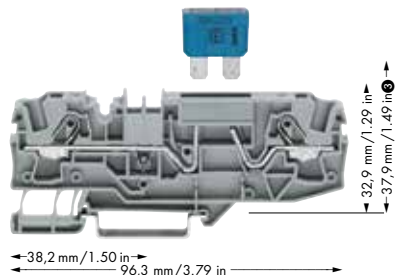


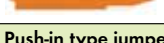
Description	Item no.	Pack. unit	Item no.	Pack. unit
Terminal block for mini-autom. blade-type fuses, for DIN 35 rail	2-cond. fuse term. bl. for mini-automotive fuses, 12 V, with blown fuse indication by LED, with testing facility		2-cond. fuse term. bl. for mini-automotive fuses, 24 V, with blown fuse indication by LED, with testing facility	
	Circuit I, gray	2006-1681/1000-0429 25	Circuit I, gray	2006-1681/1000-0413 25
	Circuit II, gray	2006-1681/1000-0449 25	Circuit II, gray	2006-1681/1000-0434 25
Accessories Appropriate marker systems: WMB/Marker Strips/WMB Inline (see pages 80-85)				
	End and intermediate plates, 1 mm/0.039 in thick  orange 2006-1692 100 (4 x 25)  gray 2006-1691 100 (4 x 25)		End and intermediate plates, 1 mm/0.039 in thick  orange 2006-1692 100 (4 x 25)  gray 2006-1691 100 (4 x 25)	
	Push-in type jumper bars, light gray, insulated, I_N 41 A  2-way 2006-402 50 (2 x 25)  3-way 2006-403 50 (2 x 25)  4-way 2006-404 50 (2 x 25)  5-way 2006-405 50 (2 x 25)		Push-in type jumper bars, light gray, insulated, I_N 41 A  2-way 2006-402 50 (2 x 25)  3-way 2006-403 50 (2 x 25)  4-way 2006-404 50 (2 x 25)  5-way 2006-405 50 (2 x 25)	
	Push-in type jumper bars, light gray, insulated, I_N 41 A  1 - 3 2006-433 50 (2 x 25)  1 - 4 2006-434 50 (2 x 25)  1 - 5 2006-435 50 (2 x 25)		Push-in type jumper bars, light gray, insulated, I_N 41 A  1 - 3 2006-433 50 (2 x 25)  1 - 4 2006-434 50 (2 x 25)  1 - 5 2006-435 50 (2 x 25)	
	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks  yellow 2006-115 100 (4 x 25)		Protective warning marker, with high voltage symbol, black, for 5 terminal blocks  yellow 2006-115 100 (4 x 25)	
	Blade-type fuse cartridges,  acc. to DIN 72581-3c/ISO 8820 (contact WAGO)		Blade-type fuse cartridges,  acc. to DIN 72581-3c/ISO 8820 (contact WAGO)	
	Over-current circuit-breaker,  thermal, (contact WAGO)		Over-current circuit-breaker,  thermal, (contact WAGO)	
individual or block arrangement up to 25 A for conductor cross section 4 mm ² /AWG 12				

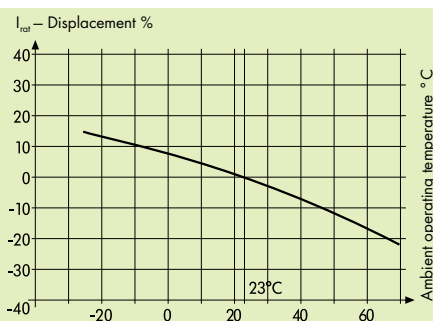
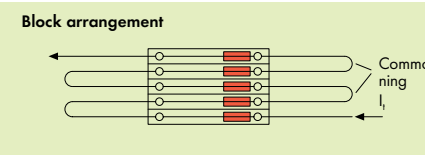
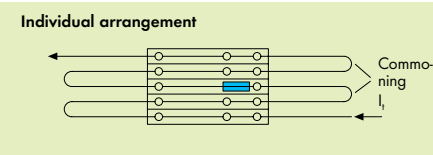
TOPJOB® Current-Carrying Capacity Curves

0.2 – 6 (10) mm² | AWG 20 – 8
 800 V/8 kV/3 ① ② | 600 V, 30 A, 
 25/30 A ② ④
 Terminal block width 7.5 mm / 0.295 in
 12 – 13 mm / 0.49 in

④ Higher ambient temperatures (T_{amb}) are an additional burden on fuse cartridges. Therefore, the reduction of the rated current according to the following diagrams and tables (see factor F_T) should be taken into account in such applications:



Item no.	Pack. unit
2-cond. fuse term. bl. for mini-automotive fuses, without blown-fuse indication, with testing facility	
gray 2006-1681	25
Appropriate marker systems: WMB/Marker Strips/WMB Inline	
End and intermediate plates, 1 mm/0.039 in thick	
 orange 2006-1692	100 (4 x 25)
 gray 2006-1691	100 (4 x 25)
Push-in type jumper bars, light gray, insulated, I_N 41 A	
 2-way 2006-402	50 (2 x 25)
3-way 2006-403	50 (2 x 25)
4-way 2006-404	50 (2 x 25)
5-way 2006-405	50 (2 x 25)
Push-in type jumper bars, light gray, insulated, I_N 41 A	
 1 - 3 2006-433	50 (2 x 25)
1 - 4 2006-434	50 (2 x 25)
1 - 5 2006-435	50 (2 x 25)
Protective warning marker, with high voltage symbol, black, for 5 terminal blocks	
 yellow 2006-115	100 (4 x 25)
Blade-type fuse cartridges, acc. to DIN 72581-3c/ISO 8820 (contact WAGO)	
	
Over-current circuit-breaker, thermal, (contact WAGO)	
	



Information from the mini-automotive blade-type fuse manufacturers		
Derating		
$T_{amb}/^{\circ}\text{C}$	%	F_T
-25	14	0.877
-20	13	0.885
-15	12	0.893
-10	11	0.901
-5	10	0.909
0	9	0.917
5	8	0.926
10	6	0.943
15	4	0.962
20	2	0.980
23	0	1.000
30	-2	1.020
35	-4	1.042
40	-6	1.064
45	-8	1.087
50	-10	1.111
55	-13	1.149
60	-16	1.190
65	-19	1.235
70	-22	1.282

The rated currents of the fuse cartridges are defined differently in international standards.

Due to the different current rating definitions, the recommended current-carrying permanent capacity of the fuses is max. 80% of their rated current according to DIN 72581 part 3 (for an ambient operating temperature of 23 °C).

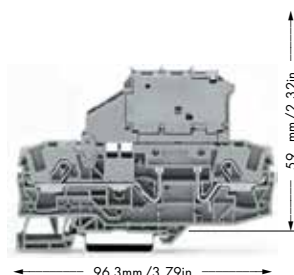
Selecting the correct fuse cartridge is important for product safety within applications as well as the service life/operational reliability of the fuse cartridges. Fuse cartridges can operate perfectly as protection (break-off point) if they are properly selected and are used in accordance with the manufacturers specifications.

In general it is necessary to test fuse cartridges under normal conditions and operational failures within your application

With regard to the product safety, it is in general necessary to test the fuse in the appliance under normal conditions and operational failures.

Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder, for Miniature Metric Fuses 5 x 20 mm, 5 x 30 mm, 1/4" x 1 1/4", Series 2006

0.5 – 6 (10) mm² 800 V/8 kV/3 10 A ① Terminal block width 7.5 mm / 0.295 in  13 – 15 mm / 0.55 in	AWG 20 – 8 15 A, 600 V ② Terminal block width 7.5 mm / 0.295 in  13 – 15 mm / 0.55 in
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① Nominal voltage and current are given by the LED or fuse

② Leakage current in case of blown fuse: LED 2 mA

Description	Item no.	Pack. unit	Item no.	Pack. unit
Fuse disconnect terminal block with pivoting fuse holder, for DIN 35 rail, for miniature metric fuses	2-conductor fuse terminal block, without blown fuse indication		2-conductor fuse terminal blocks, with blown fuse indication by LED	
5 x 20 mm (1.6 W)	gray 2006-1611	50	gray 12 - 30 V=② 2006-1611/1000-541	50
5 x 20 mm (1.6 W)			gray 30 - 65 V=② 2006-1611/1000-542	50
5 x 20 mm (1.6 W)			gray 110-250 V=② 2006-1611/1000-836	50
5 x 30 mm (1.6 W)	gray 2006-1621	50	gray 12 - 30 V=② 2006-1621/1000-541	50
5 x 30 mm (1.6 W)			gray 30 - 65 V=② 2006-1621/1000-542	50
5 x 30 mm (1.6 W)			gray 110-250 V=② 2006-1621/1000-836	50
1/4 x 1 1/4 (1.6 W)	gray 2006-1631	50	gray 12 - 30 V=② 2006-1631/1000-541	50
1/4 x 1 1/4 (1.6 W)			gray 30 - 65 V=② 2006-1631/1000-542	50
1/4 x 1 1/4 (1.6 W)			gray 110-250 V=② 2006-1631/1000-836	50

Article-Specific Accessories

	End plate for fuse terminal blocks, 2 mm/0.079 in thick		End plate for fuse terminal blocks, 2 mm/0.079 in thick
	orange 2006-992 100 (4 x 25)		orange 2006-992 100 (4 x 25)
	gray 2006-991 100 (4 x 25)		gray 2006-991 100 (4 x 25)
	End plate, 1 mm/0.039 in thick		End plate, 1 mm/0.039 in thick
	orange 2006-1692 100 (4 x 25)		orange 2006-1692 100 (4 x 25)
	gray 2006-1691 100 (4 x 25)		gray 2006-1691 100 (4 x 25)

Accessories

Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see pages 80-85)

	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks		Protective warning marker, with high voltage symbol, black, for 5 terminal blocks
	yellow 2006-115 100 (4 x 25)		yellow 2006-115 100 (4 x 25)
	must be applied individually		must be applied individually
	Push-in type jumper bars, light gray, insulated, I_N 41 A		Push-in type jumper bars, light gray, insulated, I_N 41 A
	2-way 2006-402 200 (8 x 25)		2-way 2006-402 200 (8 x 25)
	3-way 2006-403 200 (8 x 25)		3-way 2006-403 200 (8 x 25)
	4-way 2006-404 200 (8 x 25)		4-way 2006-404 200 (8 x 25)
	5-way 2006-405 100 (4 x 25)		5-way 2006-405 100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I_N 41 A		Push-in type jumper bars, light gray, insulated, I_N 41 A
	1 - 3 2006-433 200 (8 x 25)		1 - 3 2006-433 200 (8 x 25)
	1 - 4 2006-434 200 (8 x 25)		1 - 4 2006-434 200 (8 x 25)
	1 - 5 2006-435 100 (4 x 25)		1 - 5 2006-435 100 (4 x 25)
	Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in		Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in
	red 210-136 50 (5 x 10)		red 210-136 50 (5 x 10)
	Star point jumper, light gray, insulate		Star point jumper, light gray, insulate
	1-3-5 2006-405/011-000		1-3-5 2006-405/011-000
	50 (5 x 10)		50 (5 x 10)

Fuse Disconnect Terminal Blocks with Pivoting Fuse Holder, for Miniature Metric Fuses 1/4" x 1 1/4", Series 2006

0.5 – 6 (10) mm² 800 V/8 kV/3 10 A ① Terminal block width 10.4 mm / 0.409 in  13 – 15 mm / 0.55 in	AWG 20 – 8 15 A, 600 V ②	0.5 – 6 (10) mm² 800 V/8 kV/3 10 A ① Terminal block width 10.4 mm / 0.409 in  13 – 15 mm / 0.55 in	AWG 20 – 8 15 A, 600 V ②
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① Nominal voltage and current are given by the LED or fuse

② Leakage current in case of blown fuse: LED 2 mA

Description	Item no.	Pack. unit	Item no.	Pack. unit
Fuse disconnect terminal block with pivoting fuse holder, for DIN 35 rail, for miniature metric fuses 1/4 x 1 1/4 (2.5 W)	2-conductor fuse terminal block with end plate, without blown fuse indication		2-conductor fuse terminal blocks with end plate, with blown fuse indication by LED	
	gray	2006-1631/099-000 50	gray 12 - 30 V=② 2006-1631/1099-541	50
			gray 30 - 65 V=② 2006-1631/1099-542	50
			gray 110- 250 V=② 2006-1631/1099-836	50

Article-Specific Accessories

	End plate for fuse terminal blocks, 2 mm/0.079 in thick	End plate for fuse terminal blocks, 2 mm/0.079 in thick
	orange 2006-992 100 (4 x 25)	orange 2006-992 100 (4 x 25)
	gray 2006-991 100 (4 x 25)	gray 2006-991 100 (4 x 25)

Accessories

Appropriate marker systems: **WMB/Marker Strips/WMB Inline** (see pages 80-85)

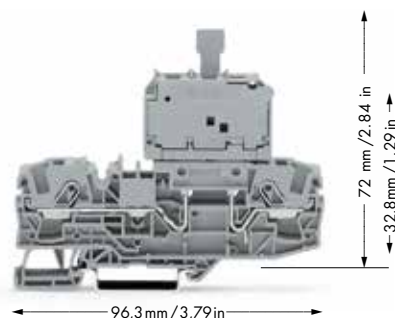
	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks	Protective warning marker, with high voltage symbol, black, for 5 terminal blocks
	yellow 2006-115 100 (4 x 25) must be applied individually	yellow 2006-115 100 (4 x 25) must be applied individually
	Push-in type jumper bars, light gray, insulated, I_N 41 A	Push-in type jumper bars, light gray, insulated, I_N 41 A
	1 - 3 2002-433 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) 1 - 7 2002-437 100 (4 x 25) 1 - 9 2002-439 100 (4 x 25)	1 - 3 2002-433 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) 1 - 7 2002-437 100 (4 x 25) 1 - 9 2002-439 100 (4 x 25)
	Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in	Test plug, with cable 500 mm/1'7.7", Ø 2 mm/0.079 in
	red 210-136 50 (5 x 10)	red 210-136 50 (5 x 10)
	Due to the 10.4 mm/0.409 in width of these terminal blocks, the 2002 Series Jumpers listed above must be use.	Due to the 10.4 mm/0.409 in width of these terminal blocks, the 2002 Series Jumpers listed above must be use.

Miniature metric fuses

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
Fuse disconnect terminal blocks				
2006-911	7.5	1.6 W	1.6 W	2.5 W
2006-921	7.5	1.6 W	1.6 W	2.5 W
2006-931	7.5	1.6 W	1.6 W	2.5 W
2006-931/099...	10.4	2.5 W	2.5 W	2.5 W
2006-931/1099...	10.4	2.5 W	2.5 W	2.5 W

When selecting miniature metric fuses, the maximum power loss listed below should not be exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature metric fuses. Therefore, in such applications the rated current must be reduced if necessary. More details are available from the fuse manufacturer.

	800 V max.* 10 A max.	*Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively.
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Open side of terminal block	Description	Item no.	Pack. unit	Item no.	Pack. unit
	Fuse plug , for miniature metric fuses 5 x 20 mm 5 x 30 mm	7.5 mm wide with pull-tab 2006-911	25	7.5 mm wide with pull-tab 2006-921	25
	Fuse plug , same as above, with additional indicator lamp, LED, AC/DC 12 - 30 V, LED, AC/DC 30 - 65 V, Can be used in both switching directions	7.5 mm wide with pull-tab 2006-911/1000-541 2006-911/1000-542	25 25	7.5 mm wide with pull-tab 2006-921/1000-541 2006-921/1000-542	25 25
Leakage current in case of blown fuse LED 2 mA					
	LED, AC/DC 110 V - 250 V LED, AC/DC 380 V - 500 V Can be used in both switching directions	7.5 mm wide with pull-tab 2006-911/1000-836 2006-911/1000-859	25 25	7.5 mm wide with pull-tab 2006-921/1000-836 2006-921/1000-859	25 25
Terminal Block Accessories Appropriate terminal block marking systems: WMB/Marker Strips (see pages 80-85)					
	2-conductor carrier terminal block 0.2 - 6(10) mm ² /AWG 20-8 Strip length: 12-13 mm/0.49 in	Terminal block width 7.5 mm/0.205 in gray 2006-1661	50	Terminal block width 7.5 mm/0.205 in gray 2006-1661	50
	End plate , for 2-cond. carrier terminal block item no. 2006-1662	1 mm/0.039 thick orange gray 2006-1692 2006-1691	100 (4 x 25) 100 (4 x 25)	1 mm/0.039 thick orange gray 2006-1692 2006-1691	100 (4 x 25) 100 (4 x 25)
	End plate for fuse plug	2 mm/0.079 thick orange gray 2006-991 2006-992	100 (4 x 25) 100 (4 x 25)	2 mm/0.079 thick orange gray 2006-991 2006-992	100 (4 x 25) 100 (4 x 25)
	Shorting link , 5 x 20 mm, 6.3 A, if the fuse plug is used as disconnect plug	281-503	250 (10 x 25)		

Fuse Plugs and Carrier Terminal Blocks, Series 2006

	800 V max.* 10 A max.	*Electrical ratings are given by the fuse or nominal voltage of the indicator lamp respectively.
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	Description	Item no.	Pack. unit	Item no.	Pack. unit
 Open side of terminal block	Fuse plug , for miniature metric fuses ¼ x 1 ¼ (1.6 W) ¼ x 1 ¼ (2.5 W)	7.5 mm wide with pull-tab 2006-931	25	10.4 mm wide with pull-tab 2006-931/099-000	25
	Fuse plug , same as above, with additional indicator lamp, LED, AC/DC 12 - 30 V, LED, AC/DC 30 - 65 V, Can be used in both switching directions	7.5 mm wide with pull-tab 2006-931/1000-541 2006-931/1000-542	25 25	10.4 mm wide with pull-tab 2006-931/1099-541 2006-931/1099-542	25 25
 Leakage current in case of blown fuse LED 2 mA	LED, AC/DC 110 V - 250 V LED, AC/DC 380 V - 500 V Can be used in both switching directions	7.5 mm wide with pull-tab 2006-931/1000-836 2006-931/1000-859	25 25	10.4 mm wide with pull-tab 2006-931/1099-836 2006-931/1099-859	25 25

Terminal Block Accessories

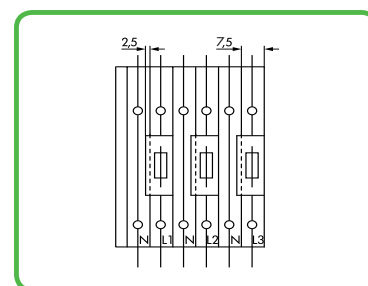
Appropriate terminal block marking systems: **WMB/Marker Strips** (see pages 80-85)

	2-conductor carrier terminal block 0.2 - 6(10) mm²/AWG 20-8 Strip length: 12-13 mm/0.49 in	Terminal block width 7.5 mm/0.205 in gray 2006-1661	50	Terminal block width 7.5 mm/0.205 in gray 2006-1661	50
	End plate or intermediate plate , for 2-cond. carrier terminal block	1 mm/0.039 thick orange 2006-1692 gray 2006-1691	100 (4 x 25) 100 (4 x 25)	Intermediate plate, 2.9 mm/0.114 thick orange 2006-1696 gray 2006-1695	100 (4 x 25) 100 (4 x 25)
	End plate for fuse plug	2 mm/0.079 thick orange 2006-991 gray 2006-992	100 (4 x 25) 100 (4 x 25)	2 mm/0.079 thick orange 2006-991 gray 2006-992	100 (4 x 25) 100 (4 x 25)
	Disconnect plug for carrier terminal blocks	Suited when using a carrier terminal block as disconnect terminal block orange 2006-401	100 (4 x 25)		

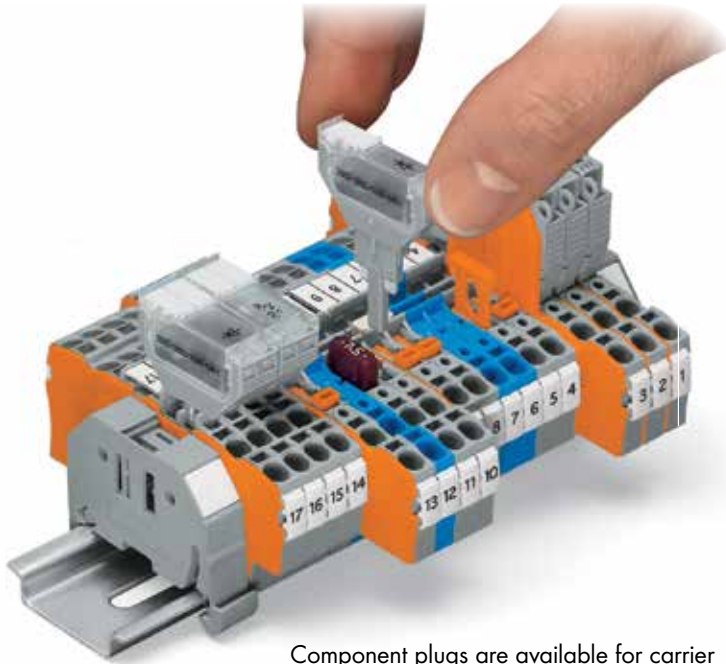
Miniature metric fuses

Series Item No.	T	Overload and short circuit protection		Short circuit protection only	
		Individual argmt.	Block argmt.	Individual argmt.	Block argmt.
Fuse terminal blocks					
2006-911	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-921	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-931	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-931/099...	10.4	2.5 W	2.5 W	2.5 W	2.5 W
2006-931/1099...	10.4	2.5 W	2.5 W	2.5 W	2.5 W

When selecting miniature metric fuses, the maximum power loss listed below should not be exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature metric fuses. Therefore, in such applications the rated current must be reduced if necessary. More details are available from the fuse manufacturer.

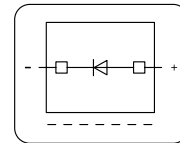


Component Plugs, Diode and LED Modules

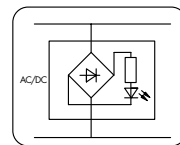


Component plugs are available for carrier terminal blocks and for insertion into adjacent jumper slots. Empty component plugs can be custom configured with component or small PCB. In addition, pre-configured diode or LED modules are available. Custom configurations are available on request.

Carrier Version



Jumper Version



Marking with WMB markers or with continuous marking strip



Testing can be performed with 2-pole test plugs

Plug-In Component Module for Carrier Terminal Block, Series 2002

Diode Module; Diode 1N 4007 U_N 250 V; U_{RM} 1000 V; 1 A max. LED I_F 25 mA		LED Module: $I_N \leq 5,6$ mA; $I_F \leq 25$ mA
Width 5.2 mm / 0.205 in		Width 5.2 mm / 0.205 in



Item No.	Pack Unit		Item No.	Pack Unit
Empty Module, 5.2 mm wide,			LED Module, 5.2 mm wide, with red LED	
2002-800	100		AC/DC 12 - 30 V 2002-800/1000-541	100
Diode Module, 5.2 mm wide,			LED Module, 5.2 mm wide, with red LED	
Diode 1N 4007 2002-800/1000-411	100		AC/DC 30 - 65 V 2002-800/1000-542	100
			LED Module, 5.2 mm wide, with red LED	
			AC/DC 110 - 250 V 2002-800/1000-836	100

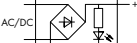
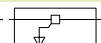
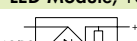
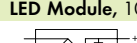
Terminal Blocks and Accessories Appropriate marker systems: Terminal block WMB/marker strips (see pages 80-85)

2-Conductor Terminal Block, ①		Push-In Type Jumper, light gray, insulated, I_N 25 A		2-Conductor Carrier Terminal Block, ①	
	0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 522 mm/0.205 in gray 2002-1661		2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) 6-way 2002-406 100 (4 x 25) 7-way 2002-407 100 (4 x 25) 8-way 2002-408 100 (4 x 25) 9-way 2002-409 100 (4 x 25) 10-way 2002-410 100 (4 x 25)		0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm/0.205 in gray 2002-1661
End and Intermediate Plate, 1 mm thick				End and Intermediate Plate, 1 mm thick	
	orange 2002-1692 100 (4 x 25) gray 2002-1691 100 (4 x 25)				orange 2002-1692 100 (4 x 25) gray 2002-1691 100 (4 x 25)
4-Conductor Carrier Terminal Block, ②				4-Conductor Carrier Terminal Block, ②	
	0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm/0.205 in gray 2002-1861				0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm/0.205 in gray 2002-1861
End and Intermediate Plate, 1 mm thick		Push-In Type Jumper, light gray, insulated, I_N 25 A		End and Intermediate Plate, 1 mm thick	
	orange 2002-1892 100 (4 x 25) gray 2002-1891 100 (4 x 25)		1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) 1 - 6 2002-436 100 (4 x 25) 1 - 7 2002-437 100 (4 x 25) 1 - 8 2002-438 100 (4 x 25) 1 - 9 2002-439 100 (4 x 25) 1 - 10 2002-440 100 (4 x 25)		orange 2002-1892 100 (4 x 25) gray 2002-1891 100 (4 x 25)
Insulation Stop, 5 pcs/strip 200 Strips				Insulation Stop, 5 pcs/strip 200 Strips	
	light gray 2002-171 0.25-0.5 mm ² dark gray 2002-172 0.75-1 mm ²				light gray 2002-171 0.25-0.5 mm ² dark gray 2002-172 0.75-1 mm ²
Test Plug, for test plug 4 mm Ø,				Test Plug Adapter, for test plug 4 mm Ø,	
	2009-174 100 (4 x 25)				2009-174 100 (4 x 25)
Testing Tap, for max. 2.5 mm²		Staggered Jumpers, light gray, insulated, I_N 25 A		Testing Tap, for max. 2.5 mm²	
	2009-182 100 (4 x 25)		2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) 5-way 2002-476 50 (2 x 25) 5-way 2002-477 50 (2 x 25) 5-way 2002-478 50 (2 x 25) 5-way 2002-479 50 (2 x 25) 5-way 2002-480 50 (2 x 25) 5-way 2002-481 50 (2 x 25) 12-way 2002-482 50 (2 x 25)		2009-182 100 (4 x 25)
Protective Warning Marker, high voltages symbol, for 5 terminal blocks				Protective Warning Marker, high voltages symbol, for 5 terminal blocks	
	yellow 2002-115 100 (4 x 25)				yellow 2002-115 100 (4 x 25)
① 66.5 mm / 2.62 in (2-Conductor) ② 87.5 mm / 3.45 in (4-Conductor)				① 66.5 mm / 2.62 in (2-Conductor) ② 87.5 mm / 3.45 in (4-Conductor)	

Plug-In Component Module for Terminal Jumper Location, Series 2002

Diode Module; Diode 1 N 4007 U_N 250 V; U_{RM} 1000 V; 1 A max.	LED-Module: $I_N \leq 5,6$ mA; $I_F \leq 25$ mA
Width 10.4 mm / 0,409 in	Width 10.4 mm / 0.409 in



Item No.	Pack Unit		Item No.	Pack Unit
Empty Module , 10.4 mm wide,			LED Module , 10.4 mm wide, with red LED	
2002-880	50		 AC/DC 12 - 30 V 2002-880/1000-541 50	
Diode Module , 10.4 mm wide,			LED Module , 10.4 mm wide, with red LED	
 Diode 1N 4007 2002-880/1000-411 50			 AC/DC 30 - 65 V 2002-880/1000-542 50	
			LED Module , 10.4 mm wide, with red LED	
			 AC/DC 110 - 250 V 2002-880/1000-836 50	

Terminal Blocks and Accessories Appropriate marker systems: Terminal block WMB/marker strips (see pages 80-85)

2-Conductor Terminal Block, ①  0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm / 0.205 in gray 2002-1201 100		2-Conductor Terminal Block, ①  0.08 - 2.5 (4) mm ² /AWG 28 - 12 width 5.2 mm / 0.205 in gray 2002-1201 100
End and Intermediate Plate, 0.8 mm thick  orange 2002-1292 100 (4 x 25) gray 2002-1291 100 (4 x 25)		End and Intermediate Plate, 0.8 mm thick  orange 2002-1292 100 (4 x 25) gray 2002-1291 100 (4 x 25)
3-Conductor Terminal Block, ②  0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm / 0.205 in gray 2002-1301 100		3-Conductor Terminal Block, ②  0.08 - 2.5 (4) mm ² /AWG 28 - 12 width 5.2 mm / 0.205 in gray 2002-1301 100
End and Intermediate Plate, 0.8 mm thick  orange 2002-1392 100 (4 x 25) gray 2002-1391 100 (4 x 25)		End and Intermediate Plate, 0.8 mm thick  orange 2002-1392 100 (4 x 25) gray 2002-1391 100 (4 x 25)
4-Conductor Terminal Block, ③  0.25 - 2.5 (4) mm ² /AWG 22 - 12 width 5.2 mm / 0.205 in gray 2002-1401 100		4-Conductor Terminal Block, ③  0.08 - 2.5 (4) mm ² /AWG 28 - 12 width 5.2 mm / 0.205 in gray 2002-1401 100
End and Intermediate Plate, 0.8 mm thick  orange 2002-1492 100 (4 x 25) gray 2002-1491 100 (4 x 25)		End and Intermediate Plate, 0.8 mm thick  orange 2002-1492 100 (4 x 25) gray 2002-1491 100 (4 x 25)
	① 48.5 mm / 1.91 in (2-Conductor) ② 59.5 mm / 2.34 in (3-Conductor) ③ 70.0 mm / 2.76 in (4-Conductor)	

- | Item No. | Pack. Unit | Item No. | Pack. Unit | Accessories |
|---|--------------|--|--|--|
| Empty component plug housing type 1,
2-pole,
5.2 mm wide
gray | 2002-800 100 | Empty component plug housing type 2,
2-pole,
10.4 mm wide
gray | 2002-810 50 | Staggered jumper,
 insulated,
1x 25 A,
light gray
2-way 2002-472 100 (4x25)
3-way 2002-473 100 (4x25)
4-way 2002-474 100 (4x25)
5-way 2002-475 50 (2x25)
6-way 2002-476 50 (2x25)
7-way 2002-477 50 (2x25)
8-way 2002-478 50 (2x25)
9-way 2002-479 50 (2x25)
10-way 2002-480 50 (2x25)
11-way 2002-481 50 (2x25)
12-way 2002-482 50 (2x25) |
| | | Empty component plug housing type 3,
4-pole,
10.4 mm wide
gray | 2002-820 50 | |
| Carrier Terminal Blocks and Accessories
Appropriate marking system:
WMB/marker strips (see pages 80-85) | | | | |
| 2-conductor carrier terminal block,
 0.25 - 2.5 [4] mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in
gray 2002-1661 50 | | Push-in type jumper bar, insulated,
 1x 25 A,
light gray
2-way 2002-402 200 (8x25)
3-way 2002-403 200 (8x25)
4-way 2002-404 200 (8x25)
5-way 2002-405 100 (4x25)
6-way 2002-406 100 (4x25)
7-way 2002-407 100 (4x25)
8-way 2002-408 100 (4x25)
9-way 2002-409 100 (4x25)
10-way 2002-410 100 (4x25) | | |
| End and intermediate plate, 1 mm thick
 orange 2002-1692 100 (4x25)
gray 2002-1691 100 (4x25) | | | WMB Multi marking system,
 10 strips with 10 markers per cord,
stretchable 5 - 5.2 mm
plain 793-5501 5 | |
| 4-conductor carrier terminal block,
 0.25 - 2.5 [4] mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in
gray 2002-1861 50 | | | WMB Multi marking system, plain,
 10 strips with 10 markers per cord,
stretchable 5 - 5.2 mm
yellow 793-5501/000-002
red 793-5501/000-005
blue 793-5501/000-006
gray 793-5501/000-007
orange 793-5501/000-012
light green 793-5501/000-017
green 793-5501/000-023
violet 793-5501/000-024 | |
| End and intermediate plate, 1 mm thick
 orange 2002-1892 100 (4x25)
gray 2002-1891 100 (4x25) | | Push-in type jumper bar, insulated,
 1x 25 A,
light gray
1 - 3 2002-433 200 (8x25)
1 - 4 2002-434 200 (8x25)
1 - 5 2002-435 100 (4x25)
1 - 6 2002-436 100 (4x25)
1 - 7 2002-437 100 (4x25)
1 - 8 2002-438 100 (4x25)
1 - 9 2002-439 100 (4x25)
1 - 10 2002-440 100 (4x25) | | |
| 2-conductor carrier terminal block,
 0.25 - 2.5 [4] mm² / AWG 22 - 12
Terminal block width 5.2 mm / 0.205 in
gray 2002-1961 50 | | | | |
| End and intermediate plate, 1 mm thick
 orange 2002-1992 100 (4x25)
gray 2002-1991 100 (4x25) | | | | |
| Insulation stop,
 5 pcs/strip,
0.25 - 0.5 mm²
light gray 2002-171 200 (8x25) | | Protective warning marker,
 with high-voltage symbol, black,
for 5 terminal blocks
yellow 2002-115 100 (4x25) | | |
| Insulation stop,
 5 pcs/strip,
0.75 - 1 mm²
dark gray 2002-172 200 (8x25) | | Multi-purpose operating tool, for component plugs
 2002-116 5 | | |

Technical Information



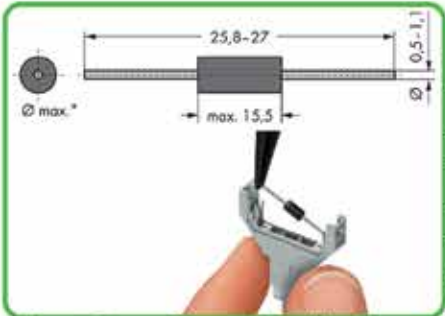
Application example showing a pluggable diode module.



Opening the cover via operating tool (blade width 2.5 mm).



When closing the cover, please insert cover as shown in the illustration.



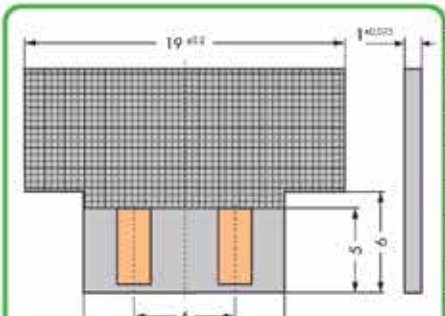
* $\varnothing \text{ max. } 3.4 \text{ mm}$ at 5.2 mm module width and
* $\varnothing \text{ max. } 5.4 \text{ mm}$ at 10.4 mm/0.409 in module width
Notice: Reconnection only possible with similar or larger wire diameter. Smaller wire diameters must be soldered. Component plugs for building custom circuits. Solder-free assembly of diodes, resistors, etc. Picture shows 1N4007 diode.



Plugging a diode module into a through terminal block.



Diode module inserted in a through terminal block.



Dimensions of self-assembled PCBs
Module height 2 mm at 5.2 mm module width and
module height 3.3 mm at 10.4 mm module width



Cutting component to the proper length.



Pressing component into plug contact via operating tool.



Pushing PCB into plug contact via operating tool.



These double and triple deck diode terminal blocks have been specially developed for custom diode circuits such as lamp test and collective fault signal circuits.

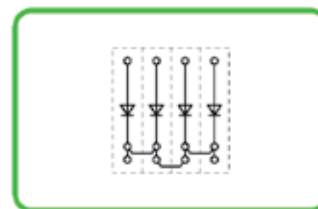
Using LED terminal blocks, monitoring units can be designed for control and operating circuits.

The terminal blocks provide high density wiring maintaining a width of only 5.2 mm.

Using push-in type jumper bars opens up additional possibilities when designing custom circuits.

Custom configurations with diodes, resistor or LEDs available on request.

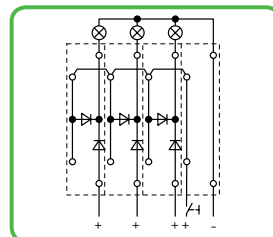
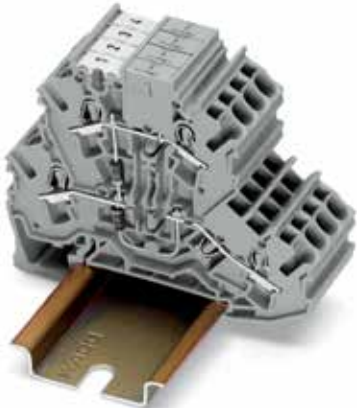
Diode terminal blocks



Polarized diode gate,
common cathode



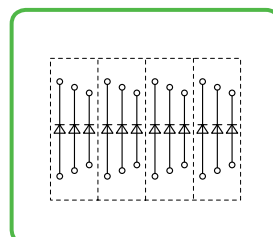
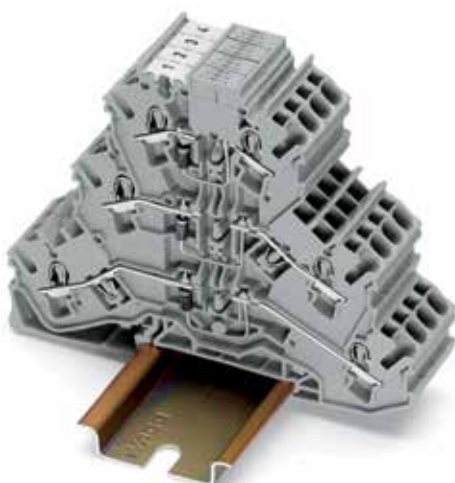
Double deck diode terminal blocks



Lamp test circuit



Triple deck diode terminal blocks



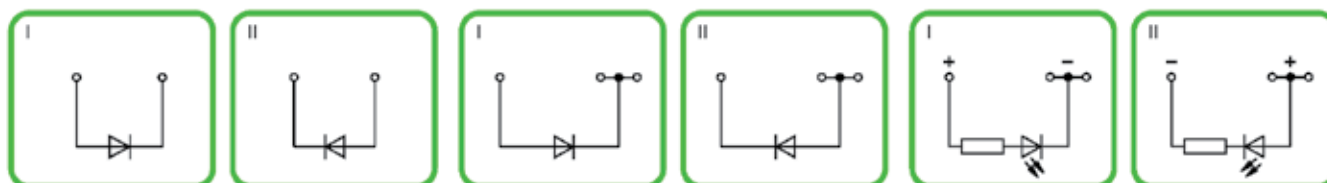
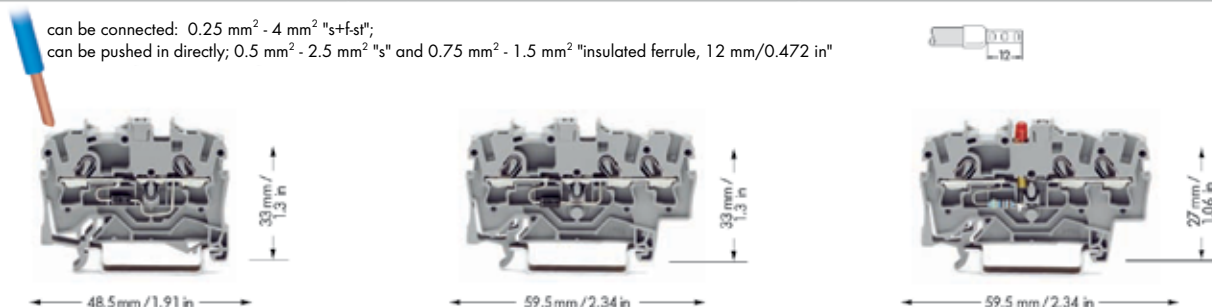
Open diode gate, can be connected individually. Using push-in type jumper bars, individual levels can be turned into polarized diode gates.



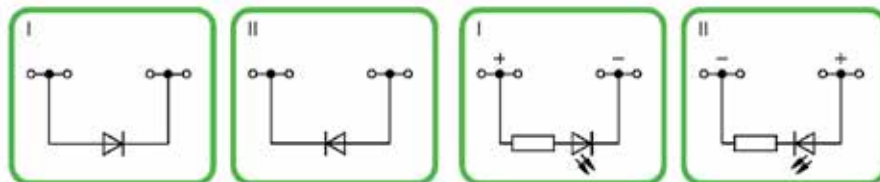
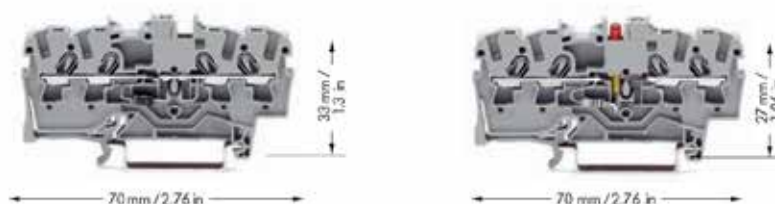
Diode Terminal Blocks 1.5 (2.5) mm² / AWG 14 and LED Terminal Blocks 1.5 (2.5) mm² / AWG 14; Series 2001

0.25 – 1.5 (2.5) mm ² AWG 22 – 14 U _N 250 V; U _{RM} 1000 V 1 N 4007 - 0.5 A continuous current Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in	0.25 – 1.5 (2.5) mm ² AWG 22 – 14 U _N 250 V; U _{RM} 1000 V 1 N 4007 - 0.5 A continuous current Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in	0.25 – 1.5 (2.5) mm ² AWG 22 – 14 DC 24 V I _f 0.025 A max. Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in
--	--	---

can be connected: 0.25 mm² - 4 mm² "s+f-st";
can be pushed in directly; 0.5 mm² - 2.5 mm² "s" and 0.75 mm² - 1.5 mm² "insulated ferrule, 12 mm/0.472 in"



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-cond. diode term. blocks with diode 1 N 4007		3-cond. diode term. blocks with diode 1 N 4007		3-cond. LED term. blocks with red LED, 24 V DC	
Circuit I, gray	2001-1211/1000-410 100	Circuit I, gray	2001-1311/1000-410 100	Circuit I, gray	2001-1321/1000-434 100
Circuit II, gray	2001-1211/1000-411 100	Circuit II, gray	2001-1311/1000-411 100	Circuit II, gray	2001-1321/1000-413 100
Through terminal block with the same shape		Through terminal block with the same shape		Through terminal block with the same shape	
gray	2001-1201	gray	2001-1301	gray	2001-1301
End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick	
orange	2002-1292 100 (4x25)	orange	2002-1392 100 (4x25)	orange	2002-1392 100 (4x25)
gray	2002-1291 100 (4x25)	gray	2002-1391 100 (4x25)	gray	2002-1391 100 (4x25)

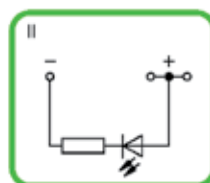
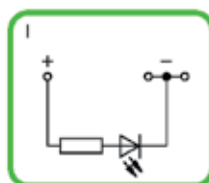
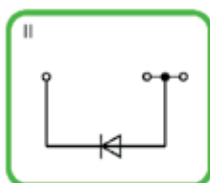
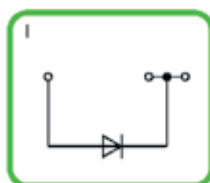
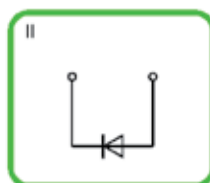
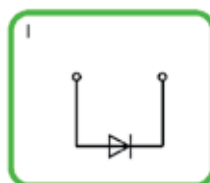
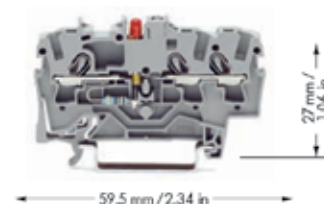
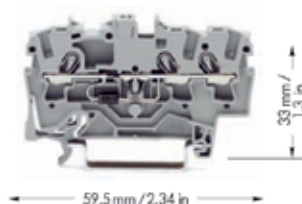


Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
4-cond. diode term. blocks with diode 1 N 4007		4-cond. LED term. blocks with red LED, 24 V DC	
Circuit I, gray	2001-1411/1000-410 100	Circuit I, gray	2001-1421/1000-434 100
Circuit II, gray	2001-1411/1000-411 100	Circuit II, gray	2001-1421/1000-413 100
Through terminal block with the same shape		Through terminal block with the same shape	
gray	2001-1401	gray	2001-1401
End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick	
orange	2002-1492 100 (4x25)	orange	2002-1492 100 (4x25)
gray	2002-1491 100 (4x25)	gray	2002-1491 100 (4x25)

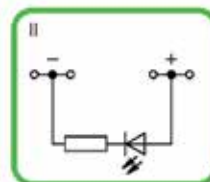
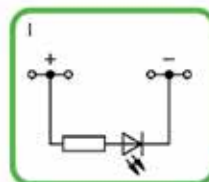
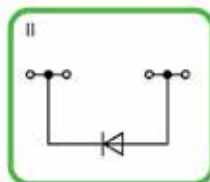
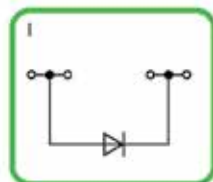
Diode Terminal Blocks 2.5 mm² (4) mm² / AWG 12 and LED Terminal Blocks 2.5 (4) mm² / AWG 12; Series 2002

0.25 – 2.5 (4) mm ² U _N 250 V; U _{RM} 1000 V 1 N 4007 – 0.5 A continuous current	AWG 22 – 12	0.25 – 2.5 (4) mm ² U _N 250 V; U _{RM} 1000 V 1 N 4007 – 0.5 A continuous current	AWG 22 – 12	0.25 – 2.5 (4) mm ² DC 24 V I _F 0.025 A max.	AWG 22 – 12
Terminal block width 5.2 mm / 0.205 in		Terminal block width 5.2 mm / 0.205 in		Terminal block width 5.2 mm / 0.205 in	
 10 – 12 mm / 0.43 in		 10 – 12 mm / 0.43 in		 10 – 12 mm / 0.43 in	

can be connected: 0.25 mm² - 4 mm² "s+f-st";
can be pushed in directly; 0.75 mm² - 4 mm² "s" and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm/0.472 in"



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-cond. diode term. blocks with diode 1 N 4007		3-cond. diode term. blocks with diode 1 N 4007		3-cond. LED term. blocks with red LED, 24 V DC	
Circuit I, gray	2002-1211/1000-410 100	Circuit I, gray	2002-1311/1000-410 100	Circuit I, gray	2002-1321/1000-434 100
Circuit II, gray	2002-1211/1000-411 100	Circuit II, gray	2002-1311/1000-411 100	Circuit II, gray	2002-1321/1000-413 100
Through terminal block with the same shape		Through terminal block with the same shape		Through terminal block with the same shape	
gray	2002-1201	gray	2002-1301	gray	2002-1301
End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick	
orange	2002-1292 100 (4x25)	orange	2002-1392 100 (4x25)	orange	2002-1392 100 (4x25)
gray	2002-1291 100 (4x25)	gray	2002-1391 100 (4x25)	gray	2002-1391 100 (4x25)



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
4-cond. diode term. blocks with diode 1 N 4007		4-cond. LED term. blocks with red LED, 24 V DC	
Circuit I, gray	2002-1411/1000-410 100	Circuit I, gray	2002-1421/1000-434 100
Circuit II, gray	2002-1411/1000-411 100	Circuit II, gray	2002-1421/1000-413 100
Through terminal block with the same shape		Through terminal block with the same shape	
gray	2002-1401	gray	2002-1301
End and intermediate plate, 0.8 mm/0.032 in thick		End and intermediate plate, 0.8 mm/0.032 in thick	
orange	2002-1492 100 (4x25)	orange	2002-1492 100 (4x25)
gray	2002-1491 100 (4x25)	gray	2002-1491 100 (4x25)

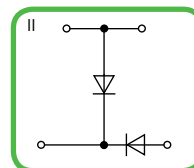
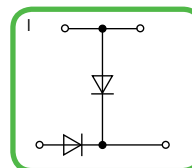
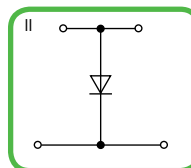
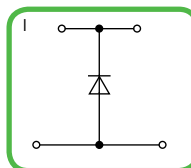
Double Deck Diode Terminal Blocks / Double Deck LED Terminal Blocks 2.5 mm²/4 mm² / AWG 12, Series 2002

	0.25 – 2.5 (4) mm² AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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Through terminal blocks with the same shape see page 26

can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



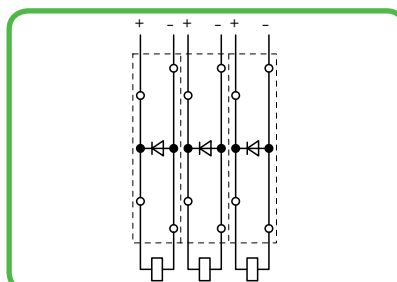
Description	Item No.	Pack. unit pcs	Item No.	Pack. unit pcs
Double deck diode terminal block	Double deck diode terminal blocks		Double deck diode terminal blocks	
and	with diode 1 N 4007		with 2 diodes 1 N 4007	
double deck LED terminal block, for DIN 35 rail	Circuit -I, gray	2002-2211/1000-0410 50	Circuit -I, gray	2002-2214/1000-0492 50
	Circuit II, gray	2002-2211/1000-0411 50	Circuit II, gray	2002-2214/1000-0491 50

Accessories

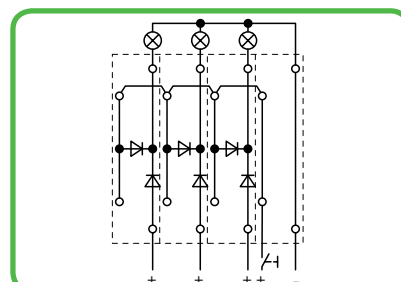
Appropriate marking system **WMB/WMB Inline** (See pages 80-85)

	End and intermediate plate	0.8 mm / 0.031 in thick		0.8 mm / 0.031 in thick	
		orange	2002-2292 100 (4 x 25)	orange	2002-2292 100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I_N 25 A	gray	2002-2291 100 (4 x 25)	gray	2002-2291 100 (4 x 25)
		2-way	2002-402 200 (8 x 25)	2-way	2002-402 200 (8 x 25)
		3-way	2002-403 200 (8 x 25)	3-way	2002-403 200 (8 x 25)
		4-way	2002-404 200 (8 x 25)	4-way	2002-404 200 (8 x 25)
		5-way	2002-405 100 (4 x 25)	5-way	2002-405 100 (4 x 25)
		:	:	:	:
	Push-in type jumper bars, light gray, insulated, I_N 25 A	10-way	2002-410 100 (4 x 25)	10-way	2002-410 100 (4 x 25)
		1 - 3	2002-433 200 (8 x 25)	1 - 3	2002-433 200 (8 x 25)
		1 - 4	2002-434 200 (8 x 25)	1 - 4	2002-434 200 (8 x 25)
		1 - 5	2002-435 100 (4 x 25)	1 - 5	2002-435 100 (4 x 25)
		:	:	:	:
		1 - 10	2002-440 100 (4 x 25)	1 - 10	2002-440 100 (4 x 25)
	Two-way marking adapter, pivotable		2002-121 50 (2 x 25)		2002-121 50 (2 x 25)

Examples of circuit configuration



Used as recovery diodes

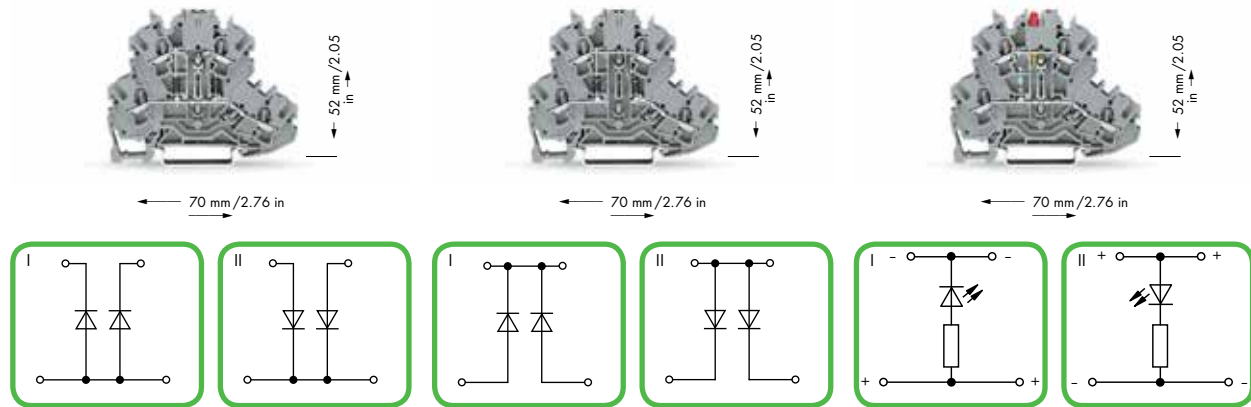


Used in lamp test circuit

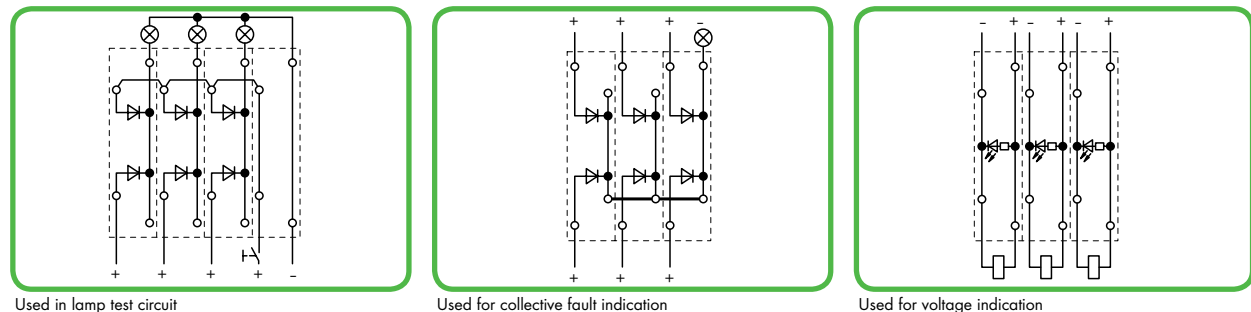
Double Deck Diode Terminal Blocks / Double Deck LED Terminal Blocks

2.5 mm²/4 mm² / AWG 12, Series 2002

0.25 – 2.5 (4) mm² AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm² AWG 22 – 12 DC 24 V I_f 25 mA max. Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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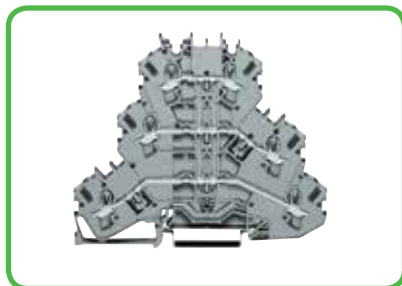


Item No.	Pack. unit pcs	Item No.	Pack. unit pcs	Item No.	Pack. unit pcs
Double deck diode terminal blocks with 2 diodes 1 N 4007		Double deck diode terminal blocks with 2 diodes 1 N 4007		Double deck LED terminal blocks with red LED, DC 24 V	
Circuit -I, gray	2002-2213/1000-0487 50	Circuit -I, gray	2002-2214/1000-0489 50	Circuit -I, gray	2002-2221/1000-0434 50
Circuit II, gray	2002-2213/1000-0488 50	Circuit II, gray	2002-2214/1000-0490 50	Circuit II, gray	2002-2221/1000-0413 50
Appropriate marking system WMB/WMB Inline (see pages 80-85)					
0.8 mm/0.031 in thick		0.8 mm/0.031 in thick		0.8 mm/0.031 in thick	
orange	2002-2292 100 (4 x 25)	orange	2002-2292 100 (4 x 25)	orange	2002-2292 100 (4 x 25)
gray	2002-2291 100 (4 x 25)	gray	2002-2291 100 (4 x 25)	gray	2002-2291 100 (4 x 25)
2-way	2002-402 200 (8 x 25)	2-way	2002-402 200 (8 x 25)	2-way	2002-402 200 (8 x 25)
3-way	2002-403 200 (8 x 25)	3-way	2002-403 200 (8 x 25)	3-way	2002-403 200 (8 x 25)
4-way	2002-404 200 (8 x 25)	4-way	2002-404 200 (8 x 25)	4-way	2002-404 200 (8 x 25)
5-way	2002-405 100 (4 x 25)	5-way	2002-405 100 (4 x 25)	5-way	2002-405 100 (4 x 25)
:	:	:	:	:	:
10-way	2002-410 100 (4 x 25)	10-way	2002-410 100 (4 x 25)	10-way	2002-410 100 (4 x 25)
1 - 3	2002-433 200 (8 x 25)	1 - 3	2002-433 200 (8 x 25)	1 - 3	2002-433 200 (8 x 25)
1 - 4	2002-434 200 (8 x 25)	1 - 4	2002-434 200 (8 x 25)	1 - 4	2002-434 200 (8 x 25)
1 - 5	2002-435 100 (4 x 25)	1 - 5	2002-435 100 (4 x 25)	1 - 5	2002-435 100 (4 x 25)
:	:	:	:	:	:
1 - 10	2002-440 100 (4 x 25)	1 - 10	2002-440 100 (4 x 25)	1 - 10	2002-440 100 (4 x 25)
2002-121	50 (2 x 25)	2002-121	50 (2 x 25)	2002-121	50 (2 x 25)



Triple Deck Diode Terminal Blocks / Triple Deck LED Terminal Blocks 2.5 mm²/4 mm² / AWG 12, Series 2002

	0.25 – 2.5 (4) mm ² AWG 22 – 12 U _N 250 V; U _{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² AWG 22 – 12 U _N 250 V; U _{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in
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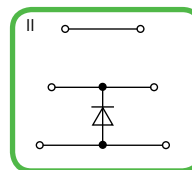
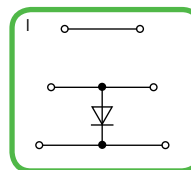
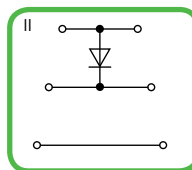
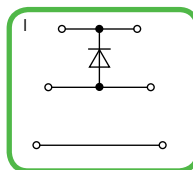
Through terminal blocks with the same shape see page 28

can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



93,5 mm / 3.68 in

93,5 mm / 3.68 in



Description	Item No.	Pack. unit pcs	Item No.	Pack. unit pcs
Triple deck diode terminal block and Triple deck LED terminal block, for DIN 35 rail	Triple deck diode terminal blocks with diode 1 N 4007		Triple deck diode terminal blocks with diode 1 N 4007	
	Circuit I, gray	2002-3211/1000-0410 50	Circuit I, gray	2002-3211/1000-0675 50
	Circuit II, gray	2002-3211/1000-0411 50	Circuit II, gray	2002-3211/1000-0676 50

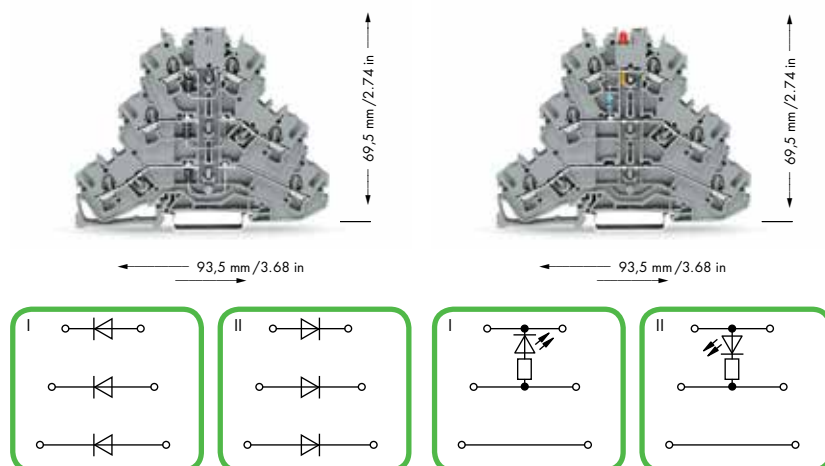
Accessories

Appropriate marking system **WMB/WMB Inline** (see pages 80-85)

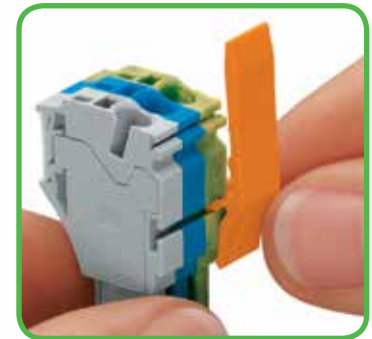
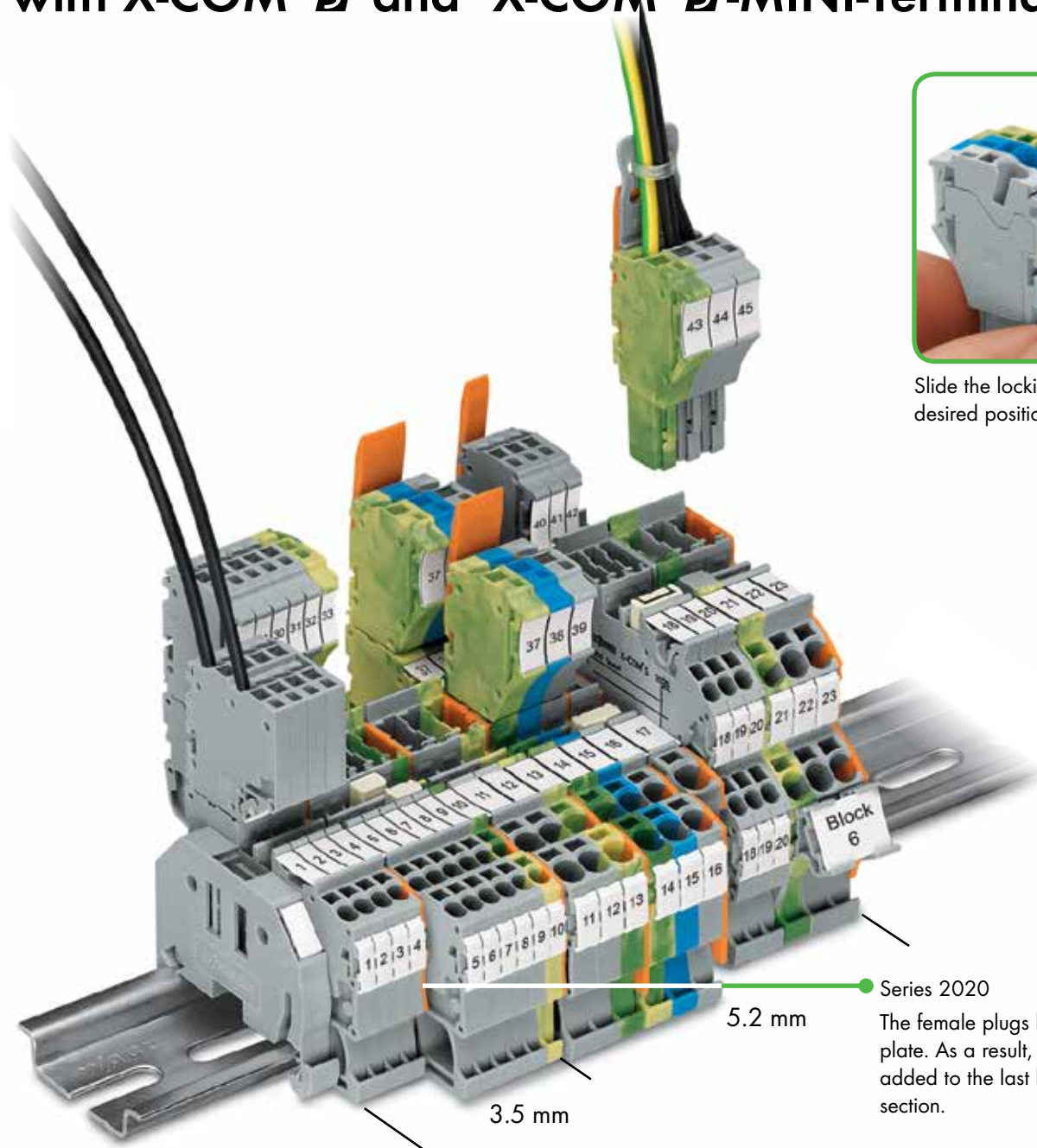
	End and intermediate plate	0.8 mm / 0.031 in thick			0.8 mm / 0.031 in thick		
		orange	2002-3292	100 (4 x 25)	orange	2002-3292	100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I _N 25 A	gray	2002-3291	100 (4 x 25)	gray	2002-3291	100 (4 x 25)
		2-way	2002-402	200 (8 x 25)	2-way	2002-402	200 (8 x 25)
		3-way	2002-403	200 (8 x 25)	3-way	2002-403	200 (8 x 25)
		4-way	2002-404	200 (8 x 25)	4-way	2002-404	200 (8 x 25)
		5-way	2002-405	100 (4 x 25)	5-way	2002-405	100 (4 x 25)
		:	:	:	:	:	:
		10-way	2002-410	100 (4 x 25)	10-way	2002-410	100 (4 x 25)
	Push-in type jumper bars, light gray, insulated, I _N 25 A	1 - 3	2002-433	200 (8 x 25)	1 - 3	2002-433	200 (8 x 25)
		1 - 4	2002-434	200 (8 x 25)	1 - 4	2002-434	200 (8 x 25)
		1 - 5	2002-435	100 (4 x 25)	1 - 5	2002-435	100 (4 x 25)
		:	:	:	:	:	:
		1 - 10	2002-440	100 (4 x 25)	1 - 10	2002-440	100 (4 x 25)
	Three-way marking adapter, pivotable		2002-131	50 (2 x 25)		2002-131	50 (2 x 25)

Triple Deck Diode Terminal Blocks / Triple Deck LED Terminal Blocks 2.5 mm²/4 mm² / AWG 12, Series 2002

0.25–2.5 (4) mm² AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25–2.5 (4) mm² AWG 22 – 12 DC 24 V I_F 25 mA max. Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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[illegible]

TOPJOB[®]S is pluggable: with X-COM[®] S and X-COM[®] S-MINI-Terminal Blocks



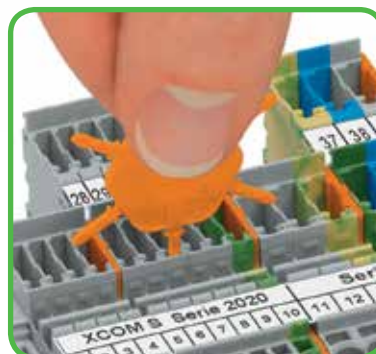
Slide the locking latch into the desired position.

Series 2020

The female plugs have an integrated end plate. As a result, an end plate must be added to the last base terminal in that section.



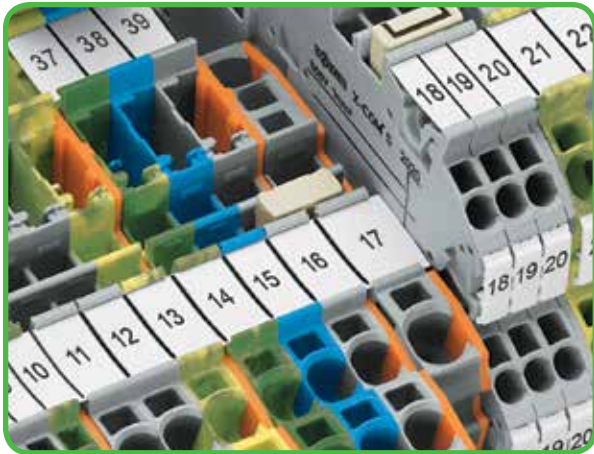
Plugs can be locked individually.



Coding pins can be used to protect against mis-mating.



To code the female plug, first remove the desired coding finger.

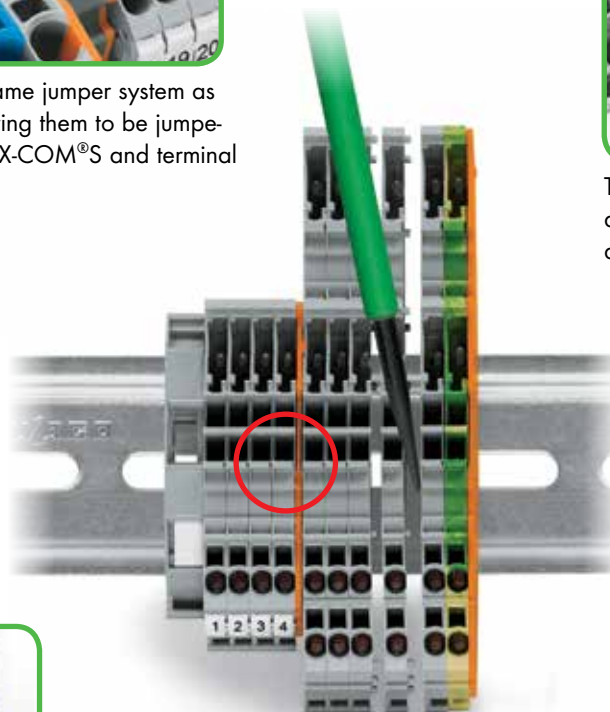


X-COM®S terminal blocks use the same jumper system as the TOPJOB®S terminal blocks allowing them to be jumpered together (e.g. see terminal #16 X-COM®S and terminal #17 TOPJOB®S).



TOPJOB®S test plug adapters can also be used with series 2020 and 2022.

X-COM®S terminal blocks can be snapped together to form groups. Individual terminal blocks can also be removed via the actuation tool.



The notches shown above allow the terminal blocks to be easily separated.



Terminal blocks in both the series 2020 and 2022 can be jumpered together as the jumper locations align.



Additional marking available with adapter.



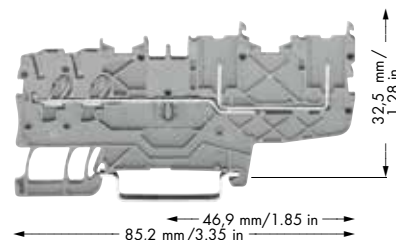
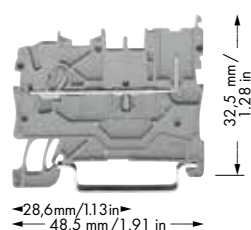
Both base terminal blocks and female plugs are touch safe.

X-COM® S-SYSTEM MINI

1-Conductor/1-Pin Receptacle Terminal Blocks; 2-Conductor/2-Pin Receptacle Terminal Blocks, Series 2020

	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① 300 V, 10 A  I_N 13.5 A*	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① 300 V, 10 A  I_N 13.5 A*
	Terminal block width 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in	Terminal block width 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in

- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree



Description		Item no.		Pack. unit	Item no.		Pack. unit	
	1-conductor/1-pin receptacle terminal block, suitable for DIN 35 rail acc. to EN 60715	1-conductor/1-pin receptacle terminal block			2-conductor/2-pin receptacle terminal block			
	gray	2020-1201		100	gray	2020-1401		100
	blue	2020-1204		100	blue	2020-1404		100
	2-conductor/2-pin receptacle terminal block, suitable for DIN 35 rail acc. to EN 60715	1-conductor/1-pin ground receptacle terminal block			2-conductor/2-pin ground receptacle terminal block			
		green-yellow	2020-1207		100	green-yellow	2020-1407	
Accessories Appropriate marking systems: WMB/Marker Strips (see pages 80-85)								
	End and intermediate plate	1 mm/0.039 in thick			1 mm/0.039 in thick			
		gray	2020-1291	100 (4 x 25)	gray	2020-1491	100 (4 x 25)	
		orange	2020-1292	100 (4 x 25)	orange	2020-1492	100 (4 x 25)	
	Push-in type jumper bars, light gray, insulated, I _N 14 A	2-way	2000-402	200 (8 x 25)	2-way	2000-402	200 (8 x 25)	
		3-way	2000-403	200 (8 x 25)	3-way	2000-403	200 (8 x 25)	
		4-way	2000-404	200 (8 x 25)	4-way	2000-404	200 (8 x 25)	
		5-way	2000-405	100 (4 x 25)	5-way	2000-405	100 (4 x 25)	
		:	:	:	:	:	:	
		10-way	2000-410	100 (4 x 25)	10-way	2000-410	100 (4 x 25)	
	Push-in type jumper bars, light gray, insulated, I _N 14 A	from 1 to 3	2000-433	200 (8 x 25)	from 1 to 3	2000-433	200 (8 x 25)	
		from 1 to 4	2000-434	200 (8 x 25)	from 1 to 4	2000-434	200 (8 x 25)	
		from 1 to 5	2000-435	100 (4 x 25)	from 1 to 5	2000-435	100 (4 x 25)	
		:	:	:	:	:	:	
		from 1 to 10	2000-440	100 (4 x 25)	from 1 to 10	2000-440	100 (4 x 25)	
	Carrier with 6 coding pins, for coding of female plugs	orange	2020-100	100 (4 x 25)	orange	2020-100	100 (4 x 25)	
	Protective warning marker, with high-voltage symbol, for 5 terminal blocks	yellow	2000-115	100 (4 x 25)	yellow	2000-115	100 (4 x 25)	
	Test pin, Ø 1 mm/0.039 in		859-500			859-500		
	WMB Multi marking card, Pin spacing: 3.5 mm/0.138 in, 10 strips with 10 markers per card, white	plain	793-3501	5	plain	793-3501	5	
	Marker strips, on roll, 50 m, 11 mm/0.039 in wide, white	plain	2009-110	1	plain	2009-110	1	

*Current-carrying capacity curves on request

X-COM® -SYSTEM MINI

1-Conductor Female Plugs; 2-Conductor Female Plugs Series 2020

	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① 300 V, 10 A  I_N 13.5 A* Module width ② 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in	0.14 – 1 (1.5) mm² AWG 24 – 16 500 V/6 kV/3 ① 300 V, 10 A  I_N 13.5 A* Module width ② 3.5 mm / 0.137 in  9 – 11 mm / 0.39 in
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- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree

- ② The female plugs come equipped with an end plate, 0.7 mm/0.027 in thick. The receptacle terminal blocks must also be fitted with end plates.



Description	No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit
1-conductor female plug with CAGE CLAMP®S, to be inserted into receptacle terminal blocks	1-conductor female plug, with coding fingers, gray, 2 poles 3 poles	2020-102 2020-103	100 50	2-conductor female plug, with coding fingers, gray, 2 poles 3 poles	2020-202 2020-203	100 50
2-conductor female plug with CAGE CLAMP®S, to be inserted into receptacle terminal blocks	: 14 poles 15 poles	: 2020-114 2020-115	10 10	: 14 poles 15 poles	: 2020-214 2020-215	10 10
Additional poles and/or mixed (gray/blue/green-yellow) female plugs on request						
Accessories Appropriate marking systems: WMB/Marker Strips (see pages 80-85)						
 Locking levers can be snapped on female plugs	Female plugs with 2 poles 3 poles and more	gray 2022-141 2022-151	100 (4 x 25)	Female plugs with 2 poles 3 poles and more	gray 2022-141 2022-151	100 (4 x 25)
		orange 2022-142 2022-152	100 (4 x 25)		orange 2022-142 2022-152	100 (4 x 25)
 Protective warning marker, with high-voltage symbol, for 5 terminal blocks	yellow	2000-115	100 (4 x 25)	yellow	2000-115	100 (4 x 25)
 Strain relief plate, gray, snap-on type, for 1- and 2-conductor female plugs	2 to 3 poles 4 to 6 poles 7 to 9 poles 10 to 15 poles	734-327 734-328 734-329 734-326	100 (4 x 25) 100 (4 x 25) 100 (4 x 25) 100 (4 x 25)	2 to 3 poles 4 to 6 poles 7 to 9 poles 10 to 15 poles	734-327 734-328 734-329 734-326	100 (4 x 25) 100 (4 x 25) 100 (4 x 25) 100 (4 x 25)
 WMB Multi marking card Pin spacing: 3.5 mm/0.138 in, 10 strips with 10 markers per card, white	plain	793-3501	5	plain	793-3501	5
 Marker strips, on roll, 50 m, 11 mm/0.039 in wide, white	plain	2009-110	1	plain	2009-110	1
 Test pin, Ø 1 mm/0.039 in		859-500			859-500	

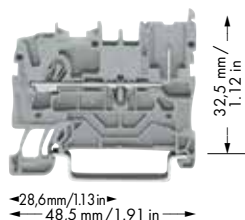


X-COM® S-SYSTEM

1-Conductor/1-Pin Receptacle Terminal Blocks

Series 2022

Terminal block width 5.2 mm / 0.205 in
 10 – 12 mm / 0.43 in



- ② See application notes in our Full Line Catalog

Accessories Appropriate marking systems: **WMB / WMB Inline / Marker strips**

	Insulation stop,	light gray	0.25 – 0.5 mm ²	2002-171	200 strips
	5 pieces/strip	dark gray	0.75 – 1 mm ²	2002-172	200 strips

	Push-in type jumper bars, light gray, insulated, I_N 25 A		
	from 1 to 3	2002-433	200 (8 x 25)
	from 1 to 4	2002-434	200 (8 x 25)
	from 1 to 5	2002-435	100 (4 x 25)
	:	:	:
	from 1 to 10	2002-440	100 (4 x 25)

	Carrier with 6 coding pins,			
	for coding of female plugs	orange	2022-100	100 (4 x 25)

	Test pin, Ø 1 mm/0.039 in	859-500

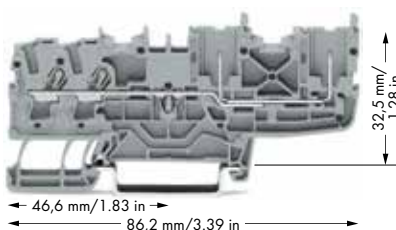
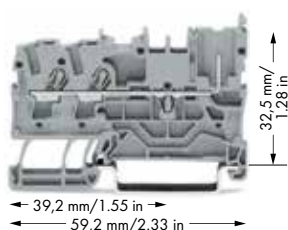


Female plugs with CAGE CLAMP®S connection
see page 72.

X-COM® -SYSTEM

2-Conductor/1-Pin-Receptacle and 2-Conductor/2-Pin-Receptacle Terminal Block Series 2022

0.25 - 2.5 (4) mm ² 690 V/6 kV/3 I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in	AWG 22 - 12 600 V, 20 A 	0.25 - 2.5 (4) mm ² 690 V/6 kV/3 I _N 24 A (28 A) Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in	AWG 22 - 12 600 V, 20 A 
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
2-Conductor/1-Pin-Receptacle, suitable for DIN 35 rail		2-Conductor/2-Pin-Receptacle, suitable for DIN 35 rail	
gray 2022-1301 	100	gray 2022-1401 	50
blue 2022-1304 	100	blue 2022-1404 	50
2-Conductor/1-Pin-Ground-Receptacle, suitable for DIN 35 rail		2-Conductor/2-Pin-Ground-Receptacle, suitable for DIN 35 rail	
green-yellow 2022-1307 	100	green-yellow 2022-1407 	50

Accessories - Item Specific

End and intermediate plate, 1 mm thick		End and intermediate plate, 1 mm thick	
orange 2022-1392	100 (4x25)	orange 2022-1492	100 (4x25)
gray 2022-1391	100 (4x25)	gray 2022-1491	100 (4x25)

Accessories, Series 2022

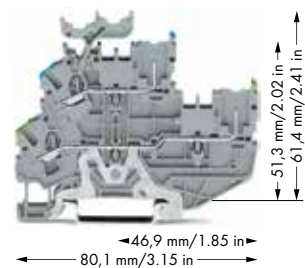
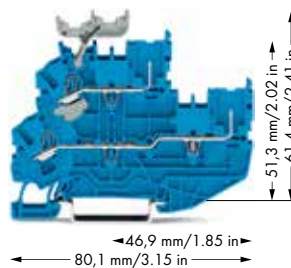
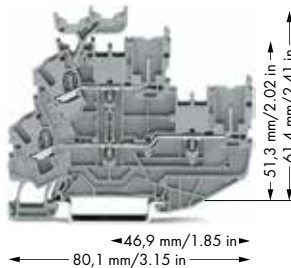
Appropriate marking systems: WMB/WMB Inline/Marker Strips (see pages 80-85)

Insulation stop, 5 pcs / Strip,  0.25 - 0.5 mm ² light gray 2002-171 200 (8x25) 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)		Push-in type wire jumpers, isolated,  I _N 16 A, wire size 1.5 mm ² 60 mm 2009-412 100 (10x10) 110 mm 2009-414 100 (10x10) 250 mm 2009-416 100 (10x10)		Continuous marking strip, blank  11 mm wide, 50 m roll white 2009-110	
Push-in type jumper bars, light gray, insulated  I _N 25 A, 2-way 2002-402 200 (8x25) 3-way 2002-403 200 (8x25) 4-way 2002-404 200 (8x25) : 10-fach 2002-410 100 (4x25)		Carrier with 6 coding pins  for coding of female plugs orange 2022-100 100 (4x25)		End Stop  suitable for DIN 35 rail 6 mm wide gray 249-116	
Push-in type jumper bars, light gray, insulated  I _N 25 A, 1 - 3 2002-433 200 (8x25) 1 - 4 2002-434 200 (8x25) 1 - 5 2002-435 100 (4x25) : 1 - 10 2002-440 100 (4x25)		Test pin,  1 mm Ø 859-500 1		WMB Inline, blank,  5 - 5.2 mm 1,500 WMB-markers on 5 mm roll white 2009-115 1	
Protective warning marker, with high voltage symbol  for 5 mm terminal blocks yellow 2002-115 100 (4x25)		1-conductor female plug  gray 2022-101 200			
Multi marking card  10 strips with 10 markers each 5 - 5.2 mm blank 793-5501 5					

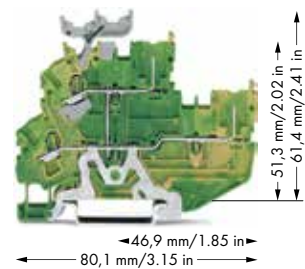
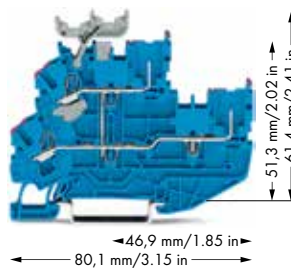
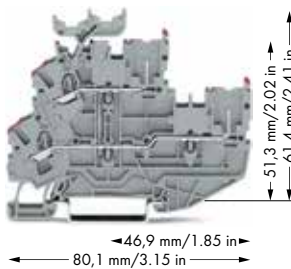
X-COM® -SYSTEM

1-Conductor/1-Pin Double Deck Receptacle Terminal Blocks Series 2022

0.25 - 2.5 (4) mm ² ① AWG 22 - 12 690 V/6 kV/3 ② 600 V, 20 A ③ I _N 24 A (28 A) ③ Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ④	0.25 - 2.5 (4) mm ² ① AWG 22 - 12 690 V/6 kV/3 ② 600 V, 20 A ③ I _N 24 A (28 A) ③ Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ④	0.25 - 2.5 (4) mm ² ① AWG 22 - 12 690 V/6 kV/3 ② 600 V, 20 A ③ I _N 24 A (28 A) ③ Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in ④
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
1-conductor/1-pin double deck receptacle, through/through with marker carrier housing color gray		1-conductor/1-pin double deck receptacle, through/through with marker carrier housing color blue		1-conductor/1-pin double deck receptacle, ground/through with marker carrier housing color gray	
L/L 2022-2231 	50	N/N 2022-2234 	50	PE/N 2022-2247 	50
N/L 2022-2232 	50			PE/L 2022-2257 	50
L/N 2022-2233 	50				
1-conductor/1-pin double deck receptacle, through/through without marker carrier housing color gray		1-conductor/1-pin double deck receptacle, through/through without marker carrier housing color blue		1-conductor/1-pin double deck receptacle, ground/through without marker carrier housing color gray	
L/L 2022-2201 	50	N/N 2022-2204 	50	PE/N 2022-2217 	50
N/L 2022-2202 	50			PE/L 2022-2227 	50
L/N 2022-2203 	50				



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Bestellnr.	Pack.-unit pcs
2-conductor/2-pin double deck receptacle feed through with marking carrier, internal common connector entry colored violet, housing color gray		2-conductor/2-pin double deck receptacle feed through with marking carrier, internal common connector entry colored violet, housing color blue		2-conductor/2-pin double deck receptacle ground with marking carrier, internal common housing color green-yellow	
L 2022-2238 	50	N 2022-2239 	50	PE 2022-2237 	50
2-conductor/2-pin double deck receptacle feed through without marking carrier, internal common connector entry colored violet, housing color gray		2-conductor/2-pin double deck receptacle feed through without marking carrier, internal common connector entry colored violet, housing color blue		2-conductor/2-pin double deck receptacle ground with marking carrier, internal common housing color green-yellow	
L 2022-2208 	50	N 2022-2209 	50	PE 2022-2207 	50

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Accessories, Series 2022			
Appropriate marking systems: WMB/WMB Inline/Marker Strips (see pages 80-85)			
End and intermediate plate, 1 mm thick		Two way marking adapter	
	orange 2022-2292 100 (4x25)		pivotable
	gray 2022-2291 100 (4x25)		gray 2002-121 50 (2x25)
Insulation stop, 5 ps / Strip,		Protective warning marker,	
	0.25 - 0.5 mm ²		with high voltage symbol
	licht gray 2002-171 200 (8x25)		for 5mm terminal blocks
Insulation stop, 5 ps / Strip,		Multi marking card,	
	0.75 - 1 mm ²		10 strips with 10 markers each
	dark gray 2002-172 200 (8x25)		5 - 5.2 mm
Push-in type jumper bars, insulated		WMB-Multi marking system, plain	
	I _N 25 A,		10 strips with 10 markers per card,
	light gray		stretchable 5 - 5.2 mm
	2-way 2002-402 200 (8x25)		yellow 793-5501/000-002
	3-way 2002-403 200 (8x25)		red 793-5501/000-005
	4-way 2002-404 200 (8x25)		blue 793-5501/000-006
	5-way 2002-405 100 (4x25)		gray 793-5501/000-007
	6-way 2002-406 100 (4x25)		orange 793-5501/000-012
	7-way 2002-407 100 (4x25)		light green 793-5501/000-017
	8-way 2002-408 100 (4x25)		green 793-5501/000-023
	9-way 2002-409 100 (4x25)		violet 793-5501/000-024
	10-way 2002-410 100 (4x25)		5
Push-in typer jumper bars, insulated,		WMB Inline, blank	
	I _N 25 A,		5 - 5.2 mm,
	light gray		1,500 WMB markers on 5 mm roll
	1 - 3 2002-433 200 (8x25)		white 2009-115 1
	1 - 4 2002-434 200 (8x25)	Continuous strip marking, blank,	
	1 - 5 2002-435 100 (4x25)		11 mm wide
	1 - 6 2002-436 100 (4x25)		50 m roll
	1 - 7 2002-437 100 (4x25)		white 2009-110 1
	1 - 8 2002-438 100 (4x25)		
	1 - 9 2002-439 100 (4x25)		
	1 - 10 2002-440 100 (4x25)		
Carrier with 6 coding pins			
	for coding of female plugs		
	orange 2022-100 100 (4x25)		
Test pin			
	1 mm Ø		
	859-500 1		
1-conductor female plug			
	gray 2022-101 200		

X-COM® S-SYSTEM

1-Conductor Female Plugs

Series 2022

0,25 – 2.5 (4) mm² | AWG 22 – 12
690 V/6 kV/3 ① | 600 V, 20 A 
I_N 24 (32) A*
Module width 5.2 mm / 0.205 in
 10 – 12 mm / 0.43 in



- ① 690 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree

[illegible]

To code a female plug, remove the desired coding finger using a suitable tool . . .



... and insert a 2022-100 coding pin into the corresponding location of the receptacle terminal block.

X-COM® -SYSTEM

Pre-Assembled Female Plugs

0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ① 600 V, 20 A  I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 600 V, 20 A  I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ① 600 V, 20 A  I _N 24 (32) A* Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in
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No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit	No. of poles	Item no.	Pack. unit
1-conductor female plug, with coding fingers, green-yellow, gray,			1-conductor female plug, with coding fingers, green-yellow, blue, gray,			1-conductor female plug, with coding fingers, green-yellow, blue, gray,		
3 poles	2022-103/000-036	50	3 poles	2022-103/000-038	50	5 poles	2022-105/000-038	50
1-conductor female plug, with coding fingers, gray, green-yellow			1-conductor female plug, with coding fingers, gray, blue, green-yellow,			1-conductor female plug, with coding fingers, gray, blue, green-yellow,		
3 poles	2022-103/000-037	50	3 poles	2022-103/000-039	50	5 poles	2022-105/000-039	50

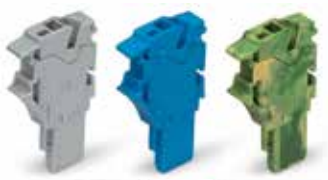
X-COM® -SYSTEM

Female Plugs for Self-Assembly

	0.25 – 2.5 (4) mm ² AWG 22 – 12 690 V/6 kV/3 ❶ 600 V, 20 A  I _N 24 (32) A** Module width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in	
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- ❶ 690 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree

	No. of poles	Item no.	Pack. unit	
	1-conductor base module with integrated end plate			
	gray	2022-161	250	
	blue	2022-164	250	
	green-yellow	2022-167	250	
	1-conductor center module			
	gray	2022-171	250	
	blue	2022-174	250	
	green-yellow	2022-177	250	
	1-conductor end module			
	gray	2022-181	250	
	blue	2022-184	250	
	green-yellow	2022-187	250	
Accessories Appropriate marking systems: WMB, WMB Inline, Marker Strips (see pages 80-85)				

**Current-carrying capacity curves and accessories see Full Line Catalog 2009/2010

[illegible]

End module
2022-181

TOPJOB®

Separator Plates, Oversized

Separator plates, oversized suitable for 2002 Series Terminal Blocks	Separator plates, oversized suitable for 2004 Series Terminal Blocks	Separator plates, oversized suitable for 2006 Series Terminal Blocks
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Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.
Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 2-conductor terminal blocks		Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 2-conductor terminal blocks		Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 2-conductor terminal blocks	
orange	2002-1294	100	orange	2004-1294	100
gray	2002-1293	100	gray	2004-1293	100



Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.
Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 3-conductor terminal blocks		Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 3-conductor terminal blocks		Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 3-conductor terminal blocks	
orange	2002-1394	100	orange	2004-1394	100
gray	2002-1393	100	gray	2004-1393	100

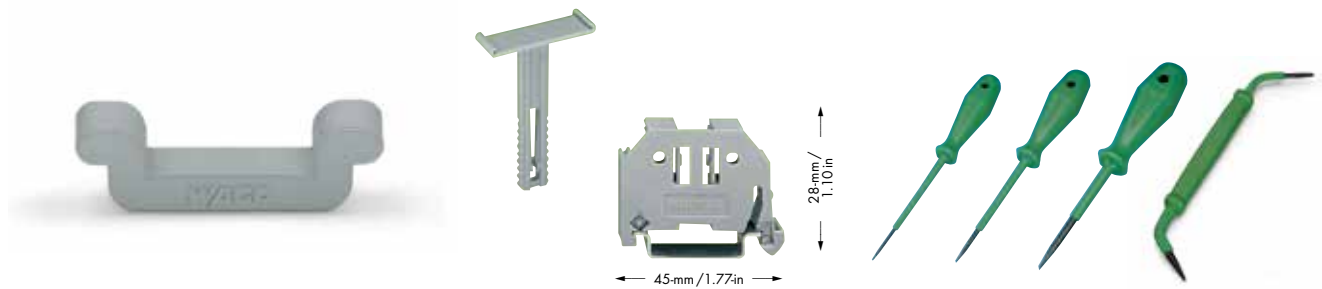


Note: Exe/Exi separators can be used with all TOPJOB®S series

Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.	Item no.	Pack-unit pcs.	
Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 4-conductor terminal blocks		Separator plate, oversized, 0.8 mm/ 0.031 in thick suitable for 4-conductor terminal blocks		Exe/Exi, separator, 3 mm/ .117 in thick orange		
orange	2002-1494	100	orange	2004-1494	100	
gray	2002-1493	100	gray	2004-1493	100	
				90 mm wide	209-190	100
				120 mm wide	209-191	100
				125.5 mm wide	209-192*	50
				*(shown above)		

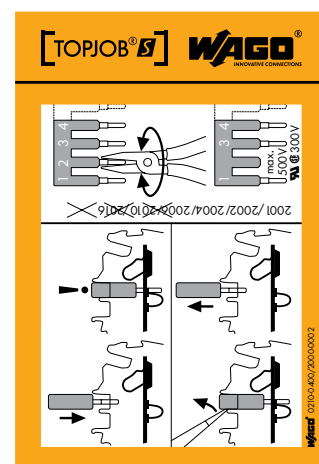
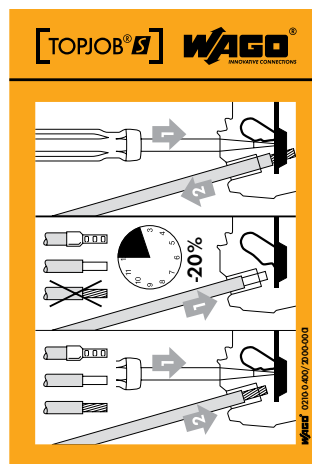
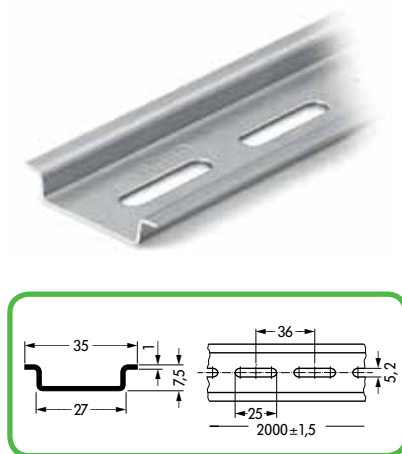
Mounting Accessories Carrier Rails and Stickers for Operating Instructions

Rail end cap	Adjustable height group marker carriers End stop	Screwdrivers with partially insulated shaft for optimum handling in terminal blocks
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Rail end cap, for DIN 35 rail (7.5 mm high)		Adjustable height group marker carriers, 249-119	50 (2 x 25)	Screwdriver with partially insulated shaft, type 1, blade 2.5 x 0.4 mm / 0.098 in x 0.016 in, suitable for series 2001, 2000	
209-109	50 (2 x 25)	Marker card . . . from white cardboard, for self-marking, 100 markers per sheet		210-719	1
		209-113	1 sheet	type 2, blade 3.5 x 0.5 mm / 0.137 in x 0.020 in, suitable for Series 2002, 2004	
		. . . or self-adhesive label, for self-marking, 7 x 25 pcs per sheet		210-720	1
		210-345	1 sheet	type 3, blade 5.5 x 0.8 mm / 0.217 in x 0.031 in, suitable for Series 2006, 2010, 2016	
		Protection cover, transparent 209-114	50	210-721	1
		End stop, for DIN 35 rail 6 mm / 0.236 in wide 249-116	100 (4 x 25)	Screwdrivers with partially insulated shaft, – set – types 1 – 3 210-722	1
		10 mm / 0.394 in wide 249-117	50 (2 x 25)		
				TOPJOB®S tool with partially insulated shaft suitable for Series 2003, 2005	
				2009-310	1

Carrier rail 35 x 7.5 mm, 1 mm / 0.039 in thick, acc. to EN 60715, Steel, I _N 76 A (referred to a length of 1 m)	Operating sticker for TOPJOB®S rail-mounted terminal blocks Size 80 mm x 101 mm	Operating sticker for TOPJOB®S jumpers Size 80 mm x 101 mm
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Steel rail 35-x-7.5 mm, 1-mm/0.039 in thick unslotted 210-113	10	Operating sticker, for TOPJOB®S rail-mounted terminal blocks Series 2001/2002/2004/2006/2010/2016		Operating sticker, for TOPJOB®S jumpers Series 2001/2002/2004/2006/2010/2016	
Steel rail 35-x-7.5 mm, 1-mm/0.039 in thick slotted 210-112	10	210-400/2000-0001	100	210-400/2000-0002	100

Ferrules for Rail-Mounted Terminal Blocks and Crimping Tools

Insulated ferrules,
electrolytic copper, electro-tin plated,
acc. to DIN 46228, part 4/09.90



Dimensions (in mm)	suitable for series	Sleeve for mm²	AWG	Color	Stripped length mm	L	L1	D mm	D1	D2	Item No	Pack.-unit pcs
	2001 – 2002	0.5	22	white	12	16	10	3.1	2.6	1.0	216-241	1000
	2001 – 2002	0.75	20	gray	12	16	10	3.3	2.8	1.2	216-242	1000
	2002 – 2006	0.75	20	gray	14	18	12	3.3	2.8	1.2	216-262	1000
	2001 – 2002	1.0	18	red	12	16	10	3.5	3.0	1.4	216-243	1000
	2002 – 2006	1.0	18	red	14	18	12	3.5	3.0	1.4	216-263	1000
	2001 – 2002	1.5	16	black	12	16	10	4.0	3.5	1.7	216-244	1000
	2002 – 2006	1.5	16	black	14	18	12	4.0	3.5	1.7	216-264	1000
	2010 – 2016	1.5	16	black	20	24	18	4.0	3.5	1.7	216-284	1000
	2002	2.5	14	blue	12	17	10	4.7	4.2	2.2	216-246	1000
	2002 – 2006	2.5	14	blue	14	19	12	4.7	4.2	2.2	216-266	1000
	2010 – 2016	2.5	14	blue	20	25	18	4.7	4.2	2.2	216-286	1000
	2004 – 2006	4.0	12	gray	14	20	12	5.4	4.8	2.8	216-267	500
	2010 – 2016	4.0	12	gray	20	26	18	5.4	4.8	2.8	216-287	500
	2006	6.0	10	yellow	14	20	12	6.9	6.3	3.5	216-208	500
	2010 – 2016	6.0	10	yellow	20	26	18	6.9	6.3	3.5	216-288	500
	2010 – 2016	10.0	8	red	20	28	18	8.4	7.6	4.5	216-289	500
	2016	16.0	6	blue	23	28	18	9.6	8.8	5.8	216-210	500

Notes: Twin ferrules are available. Contact WAGO for more information.



- With the Variocrimp 4 built-in crimping pressure plates control the crimping force automatically for the conductor cross section used. With the Variocrimp 16 it is necessary to select the wire gauge on the tool before crimping.
- Each tool has only one crimping station for all the wire sizes handled.
- Uniform compact crimping from all four sides for high conductor retention.
- No need to center the conductor in the ferrule sleeve.
- Conductor and ferrule insertion possible from both sides (for left- and right handed).
- Built-in ratchet to guarantee complete crimping every time.
- Tools open automatically after crimping operation is complete.
- Comfortable handles for operator.

Item No.	Pack. unit pcs	Item No.	Pack. unit pcs
Variocrimp 4, Crimping tool for ferrules insulated and uninsulated, 0.25 mm² – 4 mm² / AWG 24 – 12		Variocrimp 16, Crimping tool for ferrules insulated and uninsulated, 6 mm² – 16 mm² / AWG 10 – 6	
206-204	1	206-216	1
weight 400 g / 0.882 lbs		weight 580 g / 1.28 lbs	

Overview of Connectable Ferrules from 0.5 mm²

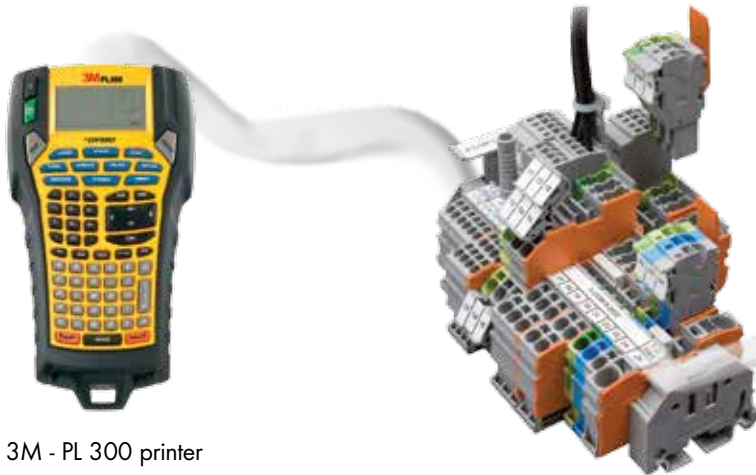
											
Series	Rated cross-section in mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	
2001	0.25 - 1.5 (2.5)	216-241	216-242	216-243	216-244	—	—	—	—	—	
2002	0.25 - 2.5 (4)	216-241	216-242	216-243	216-244	216-246	—	—	—	—	
2003	0.25 - 2.5 (4)	216-241	216-242	216-243	216-244	216-246	—	—	—	—	
2004	0.5 - 4 (6)	—	216-262	216-263	216-264	216-266	216-267	—	—	—	
2005	0.5 - 4 (6)	—	216-262	216-263	216-264	216-266	216-267	—	—	—	
2006	0.5 - 6 (10)	—	216-262	216-263	216-264	216-266	216-267	216-208	—	—	
2010	0.5 - 10 (16)	—	—	216-263	216-284	216-286	216-287	216-288	216-289	—	
2016	0.5 - 16 (25)	—	—	—	216-284	216-286	216-287	216-288	216-289	216-210	

Overview of Ferrules that can be Connected Directly (Push In)

											
Series	Rated cross-section in mm ²	0.5 mm ²	0.75 mm ²	1 mm ²	1.5 mm ²	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	
2001	0.25 - 1.5 (2.5)	—	216-242	216-243	216-244	—	—	—	—	—	
2002	0.25 - 2.5 (4)	—	216-242	216-243	216-244	216-246	—	—	—	—	
2003	0.25 - 2.5 (4)	—	216-242	216-243	216-244	216-246	—	—	—	—	
2004	0.5 - 4 (6)	—	216-262	216-263	216-264	216-266	216-267	—	—	—	
2005	0.5 - 4 (6)	—	216-262	216-263	216-264	216-266	216-267	—	—	—	
2006	0.5 - 6 (10)	—	—	—	216-264	216-266	216-267	216-208	—	—	
2010	0.5 - 10 (16)	—	—	—	—	216-286	216-287	216-288	216-289	—	
2016	0.5 - 16 (25)	—	—	—	—	216-286	216-287	216-288	216-289	216-210	

Convenient Marking

With WMB Inline or Continuous Marking Strip – Quick and Easy



3M - PL 300 printer



The TTP-345 printer offers quick and economical marking using the continuous marking strip...multiple lines of text is even possible.



The TP-298+ printer offers convenient marking using the WMB markers on a continuous reel or the continuous marking strip...multiple lines of text is available with the continuous strip.

Cost-Efficient and Fast Marking

Thermal transfer printer TTP-345	Thermal transfer printer TP-298+	Thermal printer 3M-PL300
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Item No.	Item No.	Item No.
Thermal transfer printer, TTP-345	Thermal transfer printer, TP-298+	3M-PL300/thermal printer
Resolution 300 dpi; basic 258-345/0000-0100	Resolution 300 dpi 258-298	Resolution 180 dpi 258-6000
Resolution 300 dpi; Ethernet 258-345/0000-0200		
Marking material options:	Marking material options:	Marking material options:
2009 marker strips 50 m	WMB markers on roll	Polyester strips, 11 mm wide –
	2009 marker strips 50 m	5.5m long in cartridge 211-611
Ink ribbon 258-145	Ink ribbon 258-145	

Marking strip, white for center marking	TOPJOB®S group marker carriers	TOPJOB®S marking adapters for WMB markers and continuous marking strip
WMB Inline	Module width 5 mm / 0.197 in Module width 10 mm / 0.394 in Module width 15 mm / 0.591 in for marker cards and self-adhesive marker cards	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
Marker strip, white, plain for center marking		TOPJOB®S group marker carrier,		Marking adapter	
11 mm wide, on roll		snap-on type for jumper slot		for lateral marker receptacle	
50 m 2009-110	1	5 mm/0.197 in wide 2009-191	50	gray 2009-198	200
		10 mm/0.394 in wide 2009-192	50		
		15 mm/0.591 in wide 2009-193	50		
WMB Inline, pitch 5 mm/ stretchable		suitable for:		Marking adapter	
5 mm – 5.2 mm, on roll		WAGO Multi marking system WMB,		for jumper slots	
white, 1,500 markers 2009-115	1	miniature WSB Quick marking system,		gray 2002-161	100
white, 8,000 markers 2009-135	1	marker strips, 11 mm wide			
WMB Inline, pitch 4 mm/ stretchable		for marker cards and self-adhesive marker cards			
4 mm – 4.2 mm, on roll		2009-196	50		
white, 2,000 markers 2009-114	1				
white, 9,500 markers 2009-134	1				

WAGO Multi Marking System WMB – Horizontal for 3.5 mm, 4 - 4.2 mm, 5 mm and wider terminal blocks

	Horizontal marking Consecutive numbers each strip 10 strips with 10 markers per card for terminal block widths 5 - 17.5 mm, 5 - 5.2 mm, 4 - 4.2 mm and 3.5 mm	
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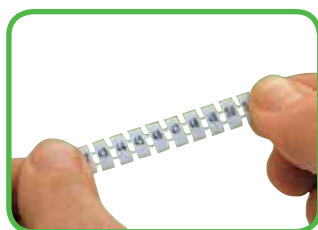
❶ Individual marking of 2002, 2022, 2004, 2006, 2010 and 2016 series terminal blocks

❷ For continuous marking of 2002 and 2022 series terminal blocks. Individual marking of terminal blocks larger than 5/5.2 mm

❸ For continuous marking of 2001 series terminal blocks

❹ For continuous marking of 2000 series terminal blocks

Marking per card	Marker Width 5 mm ❶	Marker Width 5 - 5.2 mm ❷	Marker Width 4 - 4.2 mm ❸	Marker Width 3.2 mm ❹
1 ... 10 (10x)	793-502	793-5502	793-4502	793-3502
11 ... 20 (10x)	793-503	793-5503	793-4503	793-3503
21 ... 30 (10x)	793-504	793-5504	793-4504	793-3504
31 ... 40 (10x)	793-505	793-5505	793-4505	793-3505
41 ... 50 (10x)	793-506	793-5506	793-4506	793-3506
51 ... 60 (10x)	793-569	793-5569	793-4569	-
61 ... 70 (10x)	793-570	793-5570	793-4570	-
71 ... 80 (10x)	793-571	793-5571	793-4571	-
81 ... 90 (10x)	793-572	793-5572	793-4572	-
91 ... 100 (10x)	793-573	793-5573	793-4573	-
1 ... 50 (2x)	793-566	793-5566	793-4566	793-3566
51 ... 100 (2x)	793-507	793-5507	793-4507	793-3507
101 ... 150 (2x)	793-508	793-5508	793-4508	793-3508
151 ... 200 (2x)	793-509	793-5509	793-4509	793-3509
201 ... 300 (1x)	793-510	793-5510	793-4510	-
301 ... 400 (1x)	793-511	793-5511	793-4511	-
401 ... 500 (1x)	793-512	793-5512	793-4512	-
501 ... 600 (1x)	793-513	793-5513	793-4513	-
601 ... 700 (1x)	793-514	793-5514	793-4514	-
701 ... 800 (1x)	793-515	793-5515	793-4515	-
801 ... 900 (1x)	793-516	793-5516	793-4516	-
901 ... 1000 (1x)	793-517	793-5517	793-4517	-
1 ... 9, ; (10x)	793-565	793-5565	793-4565	793-3565
for double deck terminal blocks				
1, 3, 5, ... 99 and 2, 4, 6, ... 100 (1x)	793-599	793-5599	793-5599	-
for triple deck terminal blocks				
1, 4, 7, ... 88 and 2, 5, 8, ... 89 and 3, 6, 9, ... 90 and 91, 94, 97, 92, 95, 98, 93, 96, 99, ; (1x)	794-557	794-5557	-	-
100, 103, 106, ... 187 and 101, 104, 107, ... 188 and 102, 105, 108, ... 189 and 190, 193, 196, 191, 194, 197, 192, 195, 198, ; (1x)	794-558	794-5558	-	-



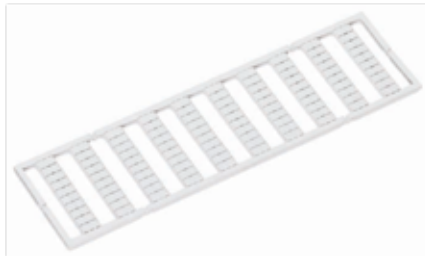
Stretching of a strip,
stretchable from 4 mm up to 4.2 mm for series 2001
stretchable from 5 mm up to 5.2 mm for series 2002



Separation of an individual marker from the strip,
for series 2002

WAGO Multi Marking System WMB – Vertical for 3.5 mm, 4 - 4.2 mm, 5 mm and wider terminal blocks

	Vertical marking Consecutive numbers each strip 10 strips with 10 markers per card for terminal block widths 5 - 17.5 mm, 5 - 5.2 mm, 4 - 4.2 mm and 3.5 mm	
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① Individual marking of 2002, 2022, 2004, 2006, 2010 and 2016 series terminal blocks

② For continuous marking of 2002 and 2022 series terminal blocks. Individual marking of terminal blocks larger than 5/5.2 mm

③ For continuous marking of 2001 series terminal blocks

④ For continuous marking of 2000 series terminal blocks

Marking per card	Marker Width 5 mm ①	Marker Width 5 - 5.2 mm ②	Marker Width 4 - 4.2 mm ③	Marker Width 3.2 mm ④
1 ... 10 (10x)	793-602	793-5602	793-4602	on request
11 ... 20 (10x)	793-603	793-5603	793-4603	
21 ... 30 (10x)	793-604	793-5604	793-4604	
31 ... 40 (10x)	793-605	793-5605	793-4605	
41 ... 50 (10x)	793-606	793-5606	793-4606	
51 ... 60 (10x)	794-601	794-5601	794-4601	
61 ... 70 (10x)	794-602	794-5602	794-4602	
71 ... 80 (10x)	794-603	794-5603	794-4603	
81 ... 90 (10x)	794-604	794-5604	794-4604	
91 ... 100 (10x)	794-605	794-5605	794-4605	
1 ... 50 (2x)	793-666	793-5666	793-4666	
51 ... 100 (2x)	793-607	793-5607	793-4607	
101 ... 150 (2x)	793-608	793-5608	793-4608	
151 ... 200 (2x)	793-609	793-5609	793-4609	
201 ... 300 (1x)	793-610	793-5610	793-4610	
301 ... 400 (1x)	793-611	793-5611	793-4611	
401 ... 500 (1x)	793-612	793-5612	793-4612	
501 ... 600 (1x)	793-613	793-5613	793-4613	
601 ... 700 (1x)	793-614	793-5614	793-4614	
701 ... 800 (1x)	793-615	793-5615	793-4615	
801 ... 900 (1x)	793-616	793-5616	793-4616	
901 ... 1000 (1x)	793-617	793-5617	793-4617	
1001 ... 1100 (1x)	793-688	793-5688	793-4688	
1101 ... 1200 (1x)	793-669	793-5669	793-4669	
1201 ... 1300 (1x)	793-670	793-5670	793-4670	
1301 ... 1400 (1x)	793-671	793-5671	793-4671	
1401 ... 1500 (1x)	793-672	793-5672	793-4672	
1501 ... 1600 (1x)	793-901	793-5901	793-4901	
1601 ... 1700 (1x)	793-902	793-5902	793-4902	
1701 ... 1800 (1x)	793-903	793-5903	793-4903	
1801 ... 1900 (1x)	793-912	793-5912	793-4912	
1901 ... 2000 (1x)	793-913	793-5913	793-4913	
101, 101, 101, 102, ... 130, 130, 130 (1x)	793-667	793-5667	793-4667	
131, 131, 131, 132, ... 160, 160, 160 (1x)	793-668	793-5668	793-4668	
for double deck terminal blocks				
1, 3, 5, ... 99 and 2, 4, 6, ... 100 (1x)	793-669	793-5699	793-4699	
101, 103, 105, ... 149 and 102, 104, 106, ... 150 (2x)	793-900	793-5900	793-4900	
for triple deck terminal blocks				
1, 4, 7, ... 88 and 2, 5, 8, ... 89 and 3, 6, 9, ... 90 and 91, 94, 97, 92, 95, 98, 93, 96, 99, ; (1x)	794-657	794-5657	794-4657	
100, 103, 106, ... 187 and 101, 104, 107, ... 188 and 102, 105, 108, ... 189 and 190, 193, 196, 191, 194, 197, 192, 195, 198, ; (1x)	794-658	794-5658	-	

Marker cards, plain

Marker strips

WMB Multi marking system	WMB Multi marking system	WSB Quick marking system
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Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	
WMB Inline marking system		WMB Inline marking system		
for 5 - 17.5 mm width, 10 strips with 10 markers per card		for 5 - 5.2 mm width, 10 strips with 10 markers per card		
plain	793-501 ○ 5	plain	793-5501 ○ 5	
Marker cards in different colors:		Marker cards in different colors:		
yellow	793-501/000-002 ● 5	yellow	793-5501/000-002 ● 5	
red	793-501/000-005 ● 5	red	793-5501/000-005 ● 5	
blue	793-501/000-006 ● 5	blue	793-5501/000-006 ● 5	
gray	793-501/000-007 ● 5	gray	793-5501/000-007 ● 5	
orange	793-501/000-012 ● 5	orange	793-5501/000-012 ● 5	
light green	793-501/000-017 ● 5	light green	793-5501/000-017 ● 5	
green	793-501/000-023 ● 5	green	793-5501/000-023 ● 5	
violet	793-501/000-024 ● 5	violet	793-5501/000-024 ● 5	



Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs	Item No.	Pack.-unit pcs
WMB Inline marking system		WMB multi marking system,		Miniature WSB Quick marking system,	
for 4 - 4.2 mm width, 10 strips with 10 markers per card		3.5 mm wide, 10 strips with 10 markers per card		5 mm wide, 10 strips with 10 markers per card	
plain	793-4501 ○ 5	plain	793-3501 ○ 1	plain	248-501 ○ 5
Marker cards in different colors:		Marker cards in different colors:		Marker cards in different colors:	
yellow	793-4501/000-002 ● 5			yellow	248-501/000-002 ● 5
red	793-4501/000-005 ● 5			red	248-501/000-005 ● 5
blue	793-4501/000-006 ● 5			blue	248-501/000-006 ● 5
gray	793-4501/000-007 ● 5			gray	248-501/000-007 ● 5
orange	793-4501/000-012 ● 5			orange	248-501/000-012 ● 5
light green	793-4501/000-017 ● 5			light green	248-501/000-017 ● 5
green	793-4501/000-023 ● 5			green	248-501/000-023 ● 5
violet	793-4501/000-024 ● 5			violet	248-501/000-024 ● 5

Marker carriers for WCB Combi Marking System

Marking carriers for 4 WCB markers	WCB Combi marking system 20 markers with identical numbers/letters each tag	
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Item No.	Pack.-unit pcs	Marking per tag	Item No.	Marking per tag	Item No.
Marker carriers for 4 WCB markers		plain	249-200	A (20x)	249-211
2009-184		1 (20x)	249-201	B (20x)	249-212
		2 (20x)	249-202	C (20x)	249-213
suitable for terminal blocks with WMB marking		3 (20x)	249-203	D (20x)	249-214
receptable		4 (20x)	249-204	E (20x)	249-215
		5 (20x)	249-205	F (20x)	249-216
		6 (20x)	249-206	G (20x)	249-217
		7 (20x)	249-207	H (20x)	249-218
		8 (20x)	249-208	I (20x)	249-219
		9 (20x)	249-209	J (20x)	249-220
		0 (20x)	249-210	K (20x)	249-221
				L (20x)	249-222
		1...0 (2x)	249-239	M (20x)	249-223
				N (20x)	249-224
		1. (20x)	249-241	O (20x)	249-225
		2. (20x)	249-242	P (20x)	249-226
		3. (20x)	249-243	Q (20x)	249-227
		4. (20x)	249-244	R (20x)	249-228
		5. (20x)	249-245	S (20x)	249-229
		6. (20x)	249-246	T (20x)	249-230
		7. (20x)	249-247	U (20x)	249-231
		8. (20x)	249-248	V (20x)	249-232
		9. (20x)	249-249	W (20x)	249-233
		0. (20x)	249-250	X (20x)	249-234
				Y (20x)	249-235
		+	249-237	Z (20x)	249-236
		-	249-238		
		Pieces per packing unit: 10 tags			



Insert WCB Combi marker into marker carrier



...and insert the marker carrier into the WMB marking receptacle of the terminal block

Approvals

Dated April 2006

A list of approvals (update: catalog deadline) is provided on this page. Due to the numerous agencies and approvals as well as the ever-increasing number of new products, our online catalog provides you with complete up-to-date information at www.wago.com

Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm²	Item No.	Approval No.	Voltage V	Current A	Cross Section AWG/mm²															
 UL – Underwriters Laboratories USA					2010-130. 154112-1645436 600 65 20-6 2010-1307 154112-1645436 20-6 2016-120. 154112-1579112 600 85 20-4 2016-1207 154112-1579112 20-4 2016-130. 154112-1579112 600 85 20-4 2016-1307 154112-1579112 20-4					 LR – Lloyd's Register of Shipping Great Britain					 GL – Germanischer Lloyd Germany					 N.V. tot Keuring van Elektro-technische Materialen, Netherlands														
2001-120. E45172 600 15 22-14 2001-1207 E45172 22-14 2001-130. E45172 600 15 22-14 2001-1307 E45172 22-14 2001-140. E45172 600 15 22-14 2001-1407 E45172 22-14 2002-120. E45172 600 20 22-12 2002-1207 E45172 22-12 2002-130. E45172 600 20 22-12 2002-1307 E45172 22-12 2002-140. E45172 600 20 22-12 2002-1407 E45172 22-12 2002-22. E45172 300/600 20/5 22-12 2002-32. E45172 300/600 20/5 22-12 2004-120. E45172 600 30 20-10 2004-1207 E45172 20-10 2004-130. E45172 600 30 20-10 2004-1307 E45172 20-10 2004-140. E45172 600 30 20-10 2004-1407 E45172 20-10 2006-120. E45172 600 50 20-8 2006-1207 E45172 20-8 2006-130. E45172 600 50 20-8 2006-1307 E45172 20-8 2016-120. E45172 600 85 20-4 2016-1207 E45172 20-4 2016-130. E45172 600 85 20-4 2016-1307 E45172 20-4					2002-120. 91/20112(E3) 800 24 0,5-4 2002-1207 91/20112(E3) 0,5-4 2002-130. 91/20112(E3) 800 24 0,5-4 2002-1307 91/20112(E3) 0,5-4 2002-140. 91/20112(E3) 800 24 0,5-4 2002-1407 91/20112(E3) 0,5-4 2006-120. 91/20112(E3) 800 41 0,5-10 2006-1207 91/20112(E3) 0,5-10 2006-130. 91/20112(E3) 800 41 0,5-10 2006-1307 91/20112(E3) 0,5-10 2016-120. 91/20112(E3) 800 76 0,5-25 "F" 2016-1207 91/20112(E3) 0,5-25 "F" 2016-130. 91/20112(E3) 800 76 0,5-25 "F" 2016-1307 91/20112(E3) 0,5-25 "F"					2002-120. 91/20112(E3) 800 24 0,5-4 2002-1207 91/20112(E3) 0,5-4 2002-130. 91/20112(E3) 800 24 0,5-4 2002-1307 91/20112(E3) 0,5-4 2002-140. 91/20112(E3) 800 24 0,5-4 2002-1407 91/20112(E3) 0,5-4 2006-120. 91/20112(E3) 800 41 0,5-10 2006-1207 91/20112(E3) 0,5-10 2006-130. 91/20112(E3) 800 41 0,5-10 2006-1307 91/20112(E3) 0,5-10 2016-120. 91/20112(E3) 800 76 0,5-25 "F" 2016-1207 91/20112(E3) 0,5-25 "F" 2016-130. 91/20112(E3) 800 76 0,5-25 "F" 2016-1307 91/20112(E3) 0,5-25 "F"					2001-120. NI2031569.05 800 18 0,5-2,5 2001-1207 NI2031569.05 0,5-2,5 2001-130. NI2031569.05 800 18 0,5-2,5 2001-1307 NI2031569.05 0,5-2,5 2001-140. NI2031569.05 800 18 0,5-2,5 2001-1407 NI2031569.05 0,5-2,5 2002-120. NI2086303.01 800 24 0,5-4 2002-1207 NI2086303.01 0,5-4 2002-130. NI2086303.01 800 24 0,5-4 2002-1307 NI2086303.01 0,5-4 2002-140. NI2086303.01 800 24 0,5-4 2002-1407 NI2086303.01 0,5-4 2002-22. NI2086303.01 500 24 0,2-4 2002-32. NI2086303.01 500 24 0,2-4 2003-7641. NI2079570.51 250/400 32 0,2-5-4 2003-7642. NI2079570.51 400 32 0,2-5-4 2003-7645. NI2079570.51 250/400 32 0,2-5-4 2003-7646. NI2079570.51 250/400 32 0,2-5-4 2003-7649. NI2079570.51 400 32 0,2-5-4 2004-120. NI2031569.08 800 32 0,5-6 2004-1207 NI2031569.08 0,5-6 2004-130. NI2031569.08 800 32 0,5-6 2004-1307 NI2031569.08 0,5-6 2004-140. NI2031569.08 800 32 0,5-6 2004-1407 NI2031569.08 0,5-6 2006-120. NI2031569.03 800 41 0,5-10 2006-1207 NI2031569.03 0,5-10 2006-130. NI2031569.03 800 41 0,5-10 2006-1307 NI2031569.03 0,5-10 2010-120. NI2031569.02 800 57 0,5-16 2010-1207 NI2031569.02 0,5-16 2010-130. NI2031569.02 800 57 0,5-16 2010-1307 NI2031569.02 0,5-16 2016-120. NI2031569.04 800 76 0,5-25 "F" 2016-1207 NI2031569.04 0,5-25 "F" 2016-130. NI2031569.04 800 76 0,5-25 "F" 2016-1307 NI2031569.04 0,5-25 "F"					 DNV – Det Norske Veritas Denmark					 PTB Physikalisch Technische Bundesanstalt Germany EEx e II					 URUS – Underwriters Laboratories USA				
2001-120. E45172 600 15 22-14 2001-1207 E45172 22-14 2001-130. E45172 600 15 22-14 2001-1307 E45172 22-14 2001-140. E45172 600 15 22-14 2001-1407 E45172 22-14 2002-120. E45172 600 20 22-12 2002-1207 E45172 22-12 2002-130. E45172 600 20 22-12 2002-1307 E45172 22-12 2002-140. E45172 600 20 22-12 2002-1407 E45172 22-12 2002-22. E45172 300/600 20/5 22-12 2002-32. E45172 300/600 20/5 22-12 2004-120. E45172 600 30 20-10 2004-1207 E45172 20-10 2004-130. E45172 600 30 20-10 2004-1307 E45172 20-10 2004-140. E45172 600 30 20-10 2004-1407 E45172 20-10 2006-120. E45172 600 50 20-8 2006-1207 E45172 20-8 2006-130. E45172 600 50 20-8 2006-1307 E45172 20-8 2016-120. E45172 600 85 20-4 2016-1207 E45172 20-4 2016-130. E45172 600 85 20-4 2016-1307 E45172 20-4					2002-120. E7570 800 24 0,5-4 2002-1207 E7570 0,5-4 2002-130. E7570 800 24 0,5-4 2002-1307 E7570 0,5-4 2002-140. E7570 800 24 0,5-4 2002-1407 E7570 0,5-4 2006-120. E7570 800 41 0,5-10 2006-1207 E7570 0,5-10 2006-130. E7570 800 41 0,5-10 2006-1307 E7570 0,5-10 2016-120. E7570 800 76 0,5-25 "F" 2016-1207 E7570 0,5-25 "F" 2016-130. E7570 800 76 0,5-25 "F" 2016-1307 E7570 0,5-25 "F"					2001-120. E7570 800 24 0,5-4 2001-1207 E7570 0,5-4 2001-130. E7570 800 24 0,5-4 2001-1307 E7570 0,5-4 2001-140. E7570 800 24 0,5-4 2001-1407 E7570 0,5-4 2006-120. E7570 800 41 0,5-10 2006-1207 E7570 0,5-10 2006-130. E7570 800 41 0,5-10 2006-1307 E7570 0,5-10 2016-120. E7570 800 76 0,5-25 "F" 2016-1207 E7570 0,5-25 "F" 2016-130. E7570 800 76 0,5-25 "F" 2016-1307 E7570 0,5-25 "F"					2001-120. NI2031569.05 800 18 0,5-2,5 2001-1207 NI2031569.05 0,5-2,5 2001-130. NI2031569.05 800 18 0,5-2,5 2001-1307 NI2031569.05 0,5-2,5 2001-140. NI2031569.05 800 18 0,5-2,5 2001-1407 NI2031569.05 0,5-2,5 2002-120. NI2086303.01 800 24 0,5-4 2002-1207 NI2086303.01 0,5-4 2002-130. NI2086303.01 800 24 0,5-4 2002-1307 NI2086303.01 0,5-4 2002-140. NI2086303.01 800 24 0,5-4 2002-1407 NI2086303.01 0,5-4 2002-22. NI2086303.01 500 24 0,2-4 2002-32. NI2086303.01 500 24 0,2-4 2003-7641. NI2079570.51 250/400 32 0,2-5-4 2003-7642. NI2079570.51 400 32 0,2-5-4 2003-7645. NI2079570.51 250/400 32 0,2-5-4 2003-7646. NI2079570.51 250/400 32 0,2-5-4 2003-7649. NI2079570.51 400 32 0,2-5-4 2004-120. NI2031569.08 800 32 0,5-6 2004-1207 NI2031569.08 0,5-6 2004-130. NI2031569.08 800 32 0,5-6 2004-1307 NI2031569.08 0,5-6 2004-140. NI2031569.08 800 32 0,5-6 2004-1407 NI2031569.08 0,5-6 2006-120. NI2031569.03 800 41 0,5-10 2006-1207 NI2031569.03 0,5-10 2006-130. NI2031569.03 800 41 0,5-10 2006-1307 NI2031569.03 0,5-10 2010-120. NI2031569.02 800 57 0,5-16 2010-1207 NI2031569.02 0,5-16 2010-130. NI2031569.02 800 57 0,5-16 2010-1307 NI2031569.02 0,5-16 2016-120. NI2031569.04 800 76 0,5-25 "F" 2016-1207 NI2031569.04 0,5-25 "F" 2016-130. NI2031569.04 800 76 0,5-25 "F" 2016-1307 NI2031569.04 0,5-25 "F"					 ABS – American Bureau of Shipping USA					 PTB Physikalisch Technische Bundesanstalt Germany EEx e II					 URUS – Underwriters Laboratories USA				
2001-120. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1207 05-HG476175/1-PDA 0,5-2,5 2001-130. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1307 05-HG476175/1-PDA 0,5-2,5 2001-140. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1407 05-HG476175/1-PDA 0,5-2,5 2002-120. 05-HG476175/1-PDA 800 24 0,5-4 2002-1207 05-HG476175/1-PDA 0,5-4 2002-130. 05-HG476175/1-PDA 800 24 0,5-4 2002-1307 05-HG476175/1-PDA 0,5-4 2002-140. 05-HG476175/1-PDA 800 24 0,5-4 2002-1407 05-HG476175/1-PDA 0,5-4 2006-120. 05-HG476175/1-PDA 800 41 0,5-16 2006-1207 05-HG476175/1-PDA 0,5-16 2006-130. 05-HG476175/1-PDA 800 41 0,5-16 2006-1307 05-HG476175/1-PDA 0,5-16 2010-120. 05-HG476175/1-PDA 800 57 0,5-16 2010-1207 05-HG476175/1-PDA 0,5-16 2010-130. 05-HG476175/1-PDA 800 57 0,5-16 2010-1307 05-HG476175/1-PDA 0,5-16 2016-120. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1207 05-HG476175/1-PDA 0,5-25 "F" 2016-130. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1307 05-HG476175/1-PDA 0,5-25 "F"					2001-120. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1207 05-HG476175/1-PDA 0,5-2,5 2001-130. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1307 05-HG476175/1-PDA 0,5-2,5 2001-140. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1407 05-HG476175/1-PDA 0,5-2,5 2002-120. 05-HG476175/1-PDA 800 24 0,5-4 2002-1207 05-HG476175/1-PDA 0,5-4 2002-130. 05-HG476175/1-PDA 800 24 0,5-4 2002-1307 05-HG476175/1-PDA 0,5-4 2002-140. 05-HG476175/1-PDA 800 24 0,5-4 2002-1407 05-HG476175/1-PDA 0,5-4 2006-120. 05-HG476175/1-PDA 800 41 0,5-16 2006-1207 05-HG476175/1-PDA 0,5-16 2006-130. 05-HG476175/1-PDA 800 41 0,5-16 2006-1307 05-HG476175/1-PDA 0,5-16 2010-120. 05-HG476175/1-PDA 800 57 0,5-16 2010-1207 05-HG476175/1-PDA 0,5-16 2010-130. 05-HG476175/1-PDA 800 57 0,5-16 2010-1307 05-HG476175/1-PDA 0,5-16 2016-120. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1207 05-HG476175/1-PDA 0,5-25 "F" 2016-130. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1307 05-HG476175/1-PDA 0,5-25 "F"					2001-120. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1207 05-HG476175/1-PDA 0,5-2,5 2001-130. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1307 05-HG476175/1-PDA 0,5-2,5 2001-140. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1407 05-HG476175/1-PDA 0,5-2,5 2002-120. 05-HG476175/1-PDA 800 24 0,5-4 2002-1207 05-HG476175/1-PDA 0,5-4 2002-130. 05-HG476175/1-PDA 800 24 0,5-4 2002-1307 05-HG476175/1-PDA 0,5-4 2002-140. 05-HG476175/1-PDA 800 24 0,5-4 2002-1407 05-HG476175/1-PDA 0,5-4 2006-120. 05-HG476175/1-PDA 800 41 0,5-16 2006-1207 05-HG476175/1-PDA 0,5-16 2006-130. 05-HG476175/1-PDA 800 41 0,5-16 2006-1307 05-HG476175/1-PDA 0,5-16 2010-120. 05-HG476175/1-PDA 800 57 0,5-16 2010-1207 05-HG476175/1-PDA 0,5-16 2010-130. 05-HG476175/1-PDA 800 57 0,5-16 2010-1307 05-HG476175/1-PDA 0,5-16 2016-120. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1207 05-HG476175/1-PDA 0,5-25 "F" 2016-130. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1307 05-HG476175/1-PDA 0,5-25 "F"					2001-120. NI2031569.05 800 18 0,5-2,5 2001-1207 NI2031569.05 0,5-2,5 2001-130. NI2031569.05 800 18 0,5-2,5 2001-1307 NI2031569.05 0,5-2,5 2001-140. NI2031569.05 800 18 0,5-2,5 2001-1407 NI2031569.05 0,5-2,5 2002-120. NI2086303.01 800 24 0,5-4 2002-1207 NI2086303.01 0,5-4 2002-130. NI2086303.01 800 24 0,5-4 2002-1307 NI2086303.01 0,5-4 2002-140. NI2086303.01 800 24 0,5-4 2002-1407 NI2086303.01 0,5-4 2002-22. NI2086303.01 500 24 0,2-4 2002-32. NI2086303.01 500 24 0,2-4 2003-7641. NI2079570.51 250/400 32 0,2-5-4 2003-7642. NI2079570.51 400 32 0,2-5-4 2003-7645. NI2079570.51 250/400 32 0,2-5-4 2003-7646. NI2079570.51 250/400 32 0,2-5-4 2003-7649. NI2079570.51 400 32 0,2-5-4 2004-120. NI2031569.08 800 32 0,5-6 2004-1207 NI2031569.08 0,5-6 2004-130. NI2031569.08 800 32 0,5-6 2004-1307 NI2031569.08 0,5-6 2004-140. NI2031569.08 800 32 0,5-6 2004-1407 NI2031569.08 0,5-6 2006-120. NI2031569.03 800 41 0,5-10 2006-1207 NI2031569.03 0,5-10 2006-130. NI2031569.03 800 41 0,5-10 2006-1307 NI2031569.03 0,5-10 2010-120. NI2031569.02 800 57 0,5-16 2010-1207 NI2031569.02 0,5-16 2010-130. NI2031569.02 800 57 0,5-16 2010-1307 NI2031569.02 0,5-16 2016-120. NI2031569.04 800 76 0,5-25 "F" 2016-1207 NI2031569.04 0,5-25 "F" 2016-130. NI2031569.04 800 76 0,5-25 "F" 2016-1307 NI2031569.04 0,5-25 "F"					 ABS – American Bureau of Shipping USA					 PTB Physikalisch Technische Bundesanstalt Germany EEx e II					 URUS – Underwriters Laboratories USA				
2001-120. 154112-1645434 600 15 22-14 2001-1207 154112-1645434 22-14 2001-130. 154112-1645434 600 15 22-14 2001-1307 154112-1645434 22-14 2001-140. 154112-1645434 600 15 22-14 2001-1407 154112-1645434 22-14 2002-120. 154112-1536069 600 20 22-12 2002-1207 154112-1536069 22-12 2002-130. 154112-1536069 600 20 22-12 2002-1307 154112-1536069 22-12 2002-140. 154112-1536069 600 20 22-12 2002-1407 154112-1536069 22-12 2004-120. 154112-1645435 600 30 20-10 2004-1207 154112-1645435 20-10 2004-130. 154112-1645435 600 30 20-10 2004-1307 154112-1645435 20-10 2004-140. 154112-1645435 600 30 20-10 2004-1407 154112-1645435 20-10 2006-120. 154112-1543858 600 50 20-8 2006-1207 154112-1543858 20-8 2006-130. 154112-1543858 600 50 20-8 2006-1307 154112-1543858 20-8 2010-120. 154112-1645436 600 65 20-6 2010-1207 154112-1645436 20-6					2001-120. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1207 05-HG476175/1-PDA 0,5-2,5 2001-130. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1307 05-HG476175/1-PDA 0,5-2,5 2001-140. 05-HG476175/1-PDA 800 18 0,5-2,5 2001-1407 05-HG476175/1-PDA 0,5-2,5 2002-120. 05-HG476175/1-PDA 800 24 0,5-4 2002-1207 05-HG476175/1-PDA 0,5-4 2002-130. 05-HG476175/1-PDA 800 24 0,5-4 2002-1307 05-HG476175/1-PDA 0,5-4 2002-140. 05-HG476175/1-PDA 800 24 0,5-4 2002-1407 05-HG476175/1-PDA 0,5-4 2006-120. 05-HG476175/1-PDA 800 41 0,5-16 2006-1207 05-HG476175/1-PDA 0,5-16 2006-130. 05-HG476175/1-PDA 800 41 0,5-16 2006-1307 05-HG476175/1-PDA 0,5-16 2010-120. 05-HG476175/1-PDA 800 57 0,5-16 2010-1207 05-HG476175/1-PDA 0,5-16 2010-130. 05-HG476175/1-PDA 800 57 0,5-16 2010-1307 05-HG476175/1-PDA 0,5-16 2016-120. 05-HG476175/1-PDA 800 76 0,5-25 "F" 2016-1207 05-HG476175/1-PDA 0,5-25 "F" 2016-130. 05-HG476175/1-PDA																													

UL 508A Short Circuit Current Rating

Many of WAGO's TOPJOB®S and X-COM®S terminal blocks now carry an increased Short Circuit Current Rating (SCCR). The SCCR originates from changes enacted by the National Electric Code (Article 409) and represented in UL508A. SCCR ensures proper documentation of the maximum short circuit current a component, assembly or equipment can safely withstand when protected by a specific overcurrent protective device.

SCCR Rating for WAGO terminal blocks UL file E45172				Overcurrent Protection Fuse Required Class/Max Amp Rating							
Catalog Number	Line Cond.	Load Cond.	J	T	RK1	RK5	G	CC	SCCR	Volt Max	
2001 Series											
2001-1201, 2001-1204, 2001-1207, 2001-1301, 2001-1304, 2001-1307, 2001-1401, 2001-1404, 2001-1407	14 AWG	14 AWG	30	30			30	30	100kA	600	
2002 Series											
2002-1201, 2002-1204, 2002-1207, 2002-1301, 2002-1304, 2002-1307, 2002-1401, 2002-1404, 2002-1407, 2002-1441, 2002-6301, 2002-6304, 2002-6302, 2002-6307, 2002-6401, 2002-6404, 2002-6402, 2002-6407, 2002-2201, 2002-2202, 2002-2203, 2002-2231, 2002-2232, 2002-2233, 2002-2217, 2002-2227, 2002-2247, 2002-2257, 2002-2208, 2002-2238, 2002-2209, 2002-2239, 2002-2207, 2002-2237, 2002-2401, 2002-2402, 2002-2403, 2002-2404, 2002-2431, 2002-2432, 2002-2433, 2002-2434, 2002-2417, 2002-2427, 2002-2447, 2002-2457, 2002-2408, 2002-2438, 2002-2409, 2002-2439, 2002-2407, 2002-2437, 2002-3201, 2002-3203, 2002-3204, 2002-3231, 2002-3233, 2002-3217, 2002-3227, 2002-3247, 2002-3257, 2002-3208, 2002-3238, 2002-3218, 2002-3228, 2002-3258, 2002-3248, 2002-3207, 2002-3237, 2002-4127, 2002-4157, 2002-4111, 2002-4141, 2002-4101, 2002-4131	14 - 12 AWG	14 - 12 AWG	60	60			30	30	100kA	600	
2002-1601, 2002-1602, 2002-1604, 2002-1671, 2002-1674, 2002-1801, 2002-1802, 2002-1804, 2002-1871, 2002-1872, 2002-1874, 2002-2951, 2002-2954, 2002-2952, 2002-2959, 2002-2971, 2002-2972, 2002-2974	14 - 12 AWG	14 - 12 AWG	30	30			30	30	100kA	300	
2022 Series											
2022-1201, 2022-1204, 2022-127, 2022-1301, 2022-1304, 2022-1307, 2022-1401, 2022-1404, 2022-1407 (can be used with female plugs: 2022-101 thru -115)	14 - 12 AWG	14 - 12 AWG	60	60			30	30	100kA	600	
2004 Series											
2004-1201, 2004-1204, 2004-1207, 2004-1301, 2004-1304, 2004-1307, 2004-1401, 2004-1404, 2004-1407	14 - 10 AWG	14 - 10 AWG	60	60			30	30	100kA	600	
2006 Series											
2006-1201, 2006-1204, 2006-1207, 2006-1301, 2006-1304, 2006-1307, 2006-1601, 2006-1602, 2006-1604, 2006-1671, 2006-1672, 2006-1674	10 - 8 AWG	10 - 8 AWG	100	100	60	30	60	30	100kA	600	
2010 Series											
2010-1201, 2010-1204, 2010-1207, 2010-1301, 2010-1304, 2010-1307	10 - 6 AWG	10 - 6 AWG	100	100	60	30	60	30	100kA	600	
2016 Series											
2016-1201, 2016-1204, 2016-1207, 2016-1301, 2016-1304, 2016-1307	10 - 4 AWG	10 - 4 AWG	100	100	60	30	60	30	100kA	600	
			Overcurrent Protection Circuit Breaker Required								
Catalog Number	Line Cond.	Load Cond.	Mfr.		Type		Max Amp		SCCR	Volt Max	
2002 Series											
2002-1201, 2002-1204, 2002-1207, 2002-1301, 2002-1304, 2002-1307, 2002-1401, 2002-1404, 2002-1407, 2002-1441, 2002-6301, 2002-6304, 2002-6302, 2002-6307, 2002-6401, 2002-6404, 2002-6402, 2002-6407, 2002-2201, 2002-2202, 2002-2203, 2002-2231, 2002-2232, 2002-2233, 2002-2217, 2002-2227, 2002-2247, 2002-2257, 2002-2208, 2002-2238, 2002-2209, 2002-2239, 2002-2207, 2002-2237, 2002-2401, 2002-2402, 2002-2403, 2002-2404, 2002-2431, 2002-2432, 2002-2433, 2002-2434, 2002-2417, 2002-2427, 2002-2447, 2002-2457, 2002-2408, 2002-2438, 2002-2409, 2002-2439, 2002-2407, 2002-2437, 2002-3201, 2002-3203, 2002-3204, 2002-3231, 2002-3233, 2002-3217, 2002-3227, 2002-3247, 2002-3257, 2002-3208, 2002-3238, 2002-3218, 2002-3228, 2002-3258, 2002-3248, 2002-3207, 2002-3237, 2002-4127, 2002-4157, 2002-4111, 2002-4141, 2002-4101, 2002-4131	14 - 12 AWG	14 - 12 AWG	Allen Bradley		140M-D8E-xxx		20		65kA	480	
2004 Series											
2004-1201, 2004-1204, 2004-1207, 2004-1301, 2004-1304, 2004-1307, 2004-1401, 2004-1404, 2004-1407	14 - 10 AWG	14 - 10 AWG	Mitsubishi		NF50-SRU		30		35kA	240	
2006 Series											
2006-1201, 2006-1204, 2006-1207, 2006-1301, 2006-1304, 2006-1307	14 - 8 AWG	14 - 8 AWG	Allen Bradley		140M-F8E-xxx		32		65kA	480	
2010 Series											
2010-1201, 2010-1204, 2010-1207, 2010-1301, 2010-1304, 2010-1307	14 - 6 AWG	14 - 6 AWG	Mitsubishi		NF50-SRU		50		35kA	240	
2016 Series											
2016-1201, 2016-1204, 2016-1207, 2016-1301, 2016-1304, 2016-1307	14 - 4 AWG	14 - 4 AWG	Mitsubishi		NF100-SRU		75		35kA	240	

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