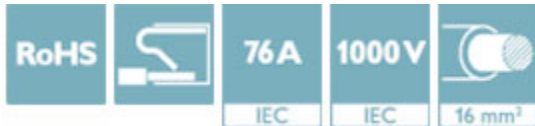


Panel feed-through terminal block - PWO 16-UW/S - 1844390


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Panel feed-through terminal block, connection method: Push-in spring connection, Screw connection, number of positions: 1, load current: 76 A, cross section: 1.5 mm² - 16 mm², AWG 14 - 4, width: 12 mm, color: gray



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 951326
GTIN	4046356951326
Weight per Piece (excluding packing)	36.000 g
Custom tariff number	85369010
Country of origin	China

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	16 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Ambient temperature (operation)	-40 °C (Depending on the current carrying capacity/derating curve)

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Technical data

General

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (actuation)	-5 °C ... 100 °C
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	76 A
Maximum load current	76 A
Nominal voltage U_N	1000 V
Open side panel	No
Number of positions	1

Dimensions

Width	12 mm
Pitch	12.1 mm
Plate thickness	1 mm ... 6 mm

Connection data

Connection side	outside
Connection method	Push-in spring connection
Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	1.5 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section AWG min.	14
Conductor cross section AWG max.	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
Stripping length	18 mm
Connection side	inside
Connection method	Screw connection
Conductor cross section solid min.	6 mm ²
Conductor cross section solid max.	25 mm ²
Conductor cross section flexible min.	6 mm ²
Conductor cross section flexible max.	16 mm ²

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Technical data

Connection data

Conductor cross section AWG min.	10
Conductor cross section AWG max.	4
Conductor cross section flexible, with ferrule without plastic sleeve min.	6 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
2 conductors with same cross section, solid min.	2.5 mm ²
2 conductors with same cross section, solid max.	10 mm ²
2 conductors with same cross section, stranded min.	2.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Stripping length	16 mm
Internal cylindrical gage	B7
Screw thread	M5
Tightening torque, min	2 Nm
Tightening torque max	2.3 Nm

Standards and Regulations

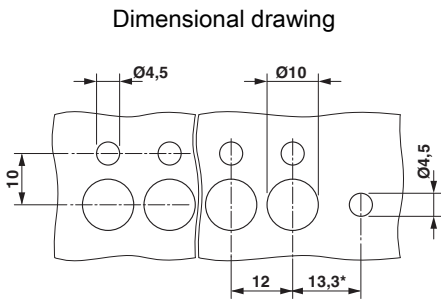
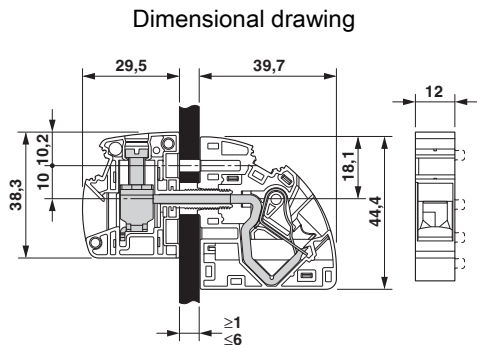
Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Panel feed-through terminal block - PWO 16-UW/S - 1844390



*Only when using the PWO 16-F flange plate

Classifications

eCl@ss

eCl@ss 4.0	27141131
eCl@ss 4.1	27141131
eCl@ss 5.0	27141134
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141134
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 3.0	EC001283
ETIM 4.0	EC001283
ETIM 5.0	EC001283
ETIM 6.0	EC001283

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Panel feed-through terminal block - PWO 16-UW/S - 1844390


Approvals


Approvals


CSA / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	2618381-158887
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	66 A	66 A	
mm²/AWG/kcmil	14-4	14-4	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20100423
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	66 A	66 A	
mm²/AWG/kcmil	14-4	14-4	

Accessories

Accessories

Filler plug

Blind rivet - RVT-AL/ST 3/12 - 3240507



Blind rivets, Ø 3.0 mm, 12 mm sleeve length, aluminum sleeve, zinc-plated steel pin, flat head, standard version similar to DIN 7337 A, also for UW/RW/PW 10 and 16

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Accessories

Panel feed-through terminal block

Flange cover - PWO 16-F - 1705659



Mounting flange, for mounting directly on the wall

Riveting tools

Tool - UNIFOX-RVT M - 1212476



Blind rivet pliers, compact and stable design, for rivets 2.4 - 5.0 mm in diameter, with three nosepieces and wrench

Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

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Accessories

Zack marker strip - ZB 12:UNPRINTED - 0812120



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 12.2 mm, lettering field size: 12 x 10.5 mm

Zack Marker strip, flat - ZBF 12:UNBEDRUCKT - 0809735



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 12 mm, lettering field size: 5.15 x 12.15 mm