## **SIEMENS**

Data sheet 3RT2015-1AD02



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 42 V AC, 50/60 Hz, auxiliary contacts: 1 NC, screw terminal, size: S00

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	0.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W
without load current share typical	1.1 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Environmental footprint	

Environmental Product Declaration/EDD\	Vac
Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total	Yes 39.6 kg
Global Warming Potential [CO2 eq] total  Global Warming Potential [CO2 eq] during manufacturing	1.18 kg
Global Warming Potential [CO2 eq] during manufacturing  Global Warming Potential [CO2 eq] during operation	38.5 kg
Global Warming Potential [CO2 eq] during operation  Global Warming Potential [CO2 eq] after end of life	-0.155 kg
Main circuit	-0.133 kg
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	18 A
— up to 690 V at ambient temperature 60 °C rated value	16 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	7 A
— at 400 V rated value	6 A
— at 500 V rated value — at 690 V rated value	4.9 A
at AC-4 at 400 V rated value	6.5 A
at AC-5a up to 690 V rated value	15.8 A
at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	5.571
— up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
— up to 500 V for current peak value n=20 rated value	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
with 2 current paths in series at DC-1	45.
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A 0.5 A
— at 600 V rated value	V.J A
with 3 current paths in series at DC-1	

— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	15 A
— at 60 V rated value	0.35 A
— at 110 V rated value	0.1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
• with 3 current paths in series at DC-3 at DC-5	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	
• at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-	
4	
<ul> <li>at 400 V rated value</li> </ul>	1.15 kW
at 690 V rated value	1.15 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	1.5 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	2.7 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	3.3 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	4.3 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1 kVA
• up to 400 V for current peak value n=30 rated value	1.8 kVA
• up to 500 V for current peak value n=30 rated value	2.2 kVA
• up to 690 V for current peak value n=30 rated value	2.9 kVA
short-time withstand current in cold operating state up to 40 °C	
	120 A: Use minimum cross-section acc. to AC 1 rated value
limited to 1 s switching at zero current maximum     limited to 5 s switching at zero current maximum	120 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum     limited to 10 s switching at zero current maximum	86 A; Use minimum cross-section acc. to AC-1 rated value 67 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum     limited to 30 s switching at zero current maximum	52 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value
·	70 A, OSE MINIMUM GOSS-SECTION ACC. TO AC-1 Tated Value
no-load switching frequency  • at AC	10 000 1/h
	10 000 1/11
operating frequency	1 000 1/h
• at AC 2 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
at AC-3e maximum     at AC-4 maximum	750 1/h
• at AC-4 maximum	250 1/h

Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	42 V
• at 60 Hz rated value	42 V
operating range factor control supply voltage rated value of	
magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	27 VA
• at 60 Hz	24.3 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
● at 60 Hz	0.75
apparent holding power of magnet coil at AC	
● at 50 Hz	4.2 VA
• at 60 Hz	3.3 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	V VO 1110
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	4
number of NC contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
• at 48 V rated value	6 A
at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1A
at 125 V rated value	0.9 A
at 220 V rated value     at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	ridary switching per 100 million (17 V, 1 mz)
full-load current (FLA) for 3-phase AC motor	40.4
at 480 V rated value	4.8 A
at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp

• of 2-phase AC motor  - at 202030 V rated value - at 220230 V rated value - at 8270500 V rated value - at 8270500 V rated value - at 8750500 V rated value - solved auxiliary contacts according to UL  Short-circuit protection  design of the fuse link - with type of coordination 1 required - with type of assignment 2 required - with a side of a strain of the suntillary switch required backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting surface, can be titled forward and backward by 4-2.25 on wettical mounting onto 35 mm DIN rail according to DIN EN BD715 - Signment and the surface of the surface		
	• for 3-phase AC motor	
at 490/480 V rated value	— at 200/208 V rated value	1.5 hp
	— at 220/230 V rated value	2 hp
contact rating of auxiliary contacts according to U.  design of the fuse link  of or short-circuit protection of the main circuit  - with type of assignment 2 required  - with type of assignment 2 required (so for short-circuit protection of the auxiliary switch required (installation/ mounting) dimensions  - for short-circuit protection of the auxiliary switch required (installation/ mounting) dimensions  - fastening method  - fastening method - screw and anapo on mounting surface; can be titled forward and backward by +2 -25° on vertical mounting surface; can be titled forward and backward by +2 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and backward by +4 -25° on vertical mounting surface; can be titled forward and sackward by +4 -25° on vertical mounting surface; can be titled forward and the backward by +4 -25° on vertical mounting surface; can be titled forward and sackward by +4 -25° on vertical mounting surface; can be titled forward and the backward by +4 -25° on vertical mounting surface; can be titled forward and sackward by +4 -25° on vertical mounting surface; can be titled forward and the sackward by +4 -25° on vertical mounting surface; can be titled forward and sackward by +4 -25° on vertical mounting surface; can be titled forward and the sackward by +4 -25° on vertical mounting surface; can be titled forward and sackward by +4 -25° on vertical mounting surface; can be titled forward and the sackward by +4 -25° on vertica	— at 460/480 V rated value	3 hp
Sind-circuit protection   He main circuit	— at 575/600 V rated value	5 hp
design of the fuse link  if or short-circuit protection of the main circuit  — with type of occordination 1 required — with type of occordination 1 required — with type of occordination 2 required — with type of occordination 3 required  fination mounting dimensions  fastening method  fa	contact rating of auxiliary contacts according to UL	A600 / Q600
• for short-circuit protection of the main circuit  — with type of assignment 2 required — of short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — with type of assignment 2 required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  Installation muonting dimensions  — #** for short-circuit protection of the auxiliary switch required  — #** for short-circuit protection of the auxiliary switch required  — #** for muonting dimensions  — #** for switch auxiliary contacts — #** for switch auxiliary contacts — #** for switch auxiliary contacts — #** for muonting puniting dimensions — #** for muonting puniting dimensions — #** for muonting uniting surfaces and be titled forward and backward by *** 2.2 for muonting surfaces and be titled forward and backward by *** 2.2 for muonting surfaces and be titled forward and surfaces and supplied and surfaces and	Short-circuit protection	
— with type of assignment 2 required   9G: 25A (690V, 100kA), abt. 20A (690V, 100kA), BSS8: 35A (415V,80kA)   9G: 20A (690V,100kA), abt. 16A (680V, 100kA), BSS8: 35A (415V,80kA)   9G: 20A (690V,100kA), abt. 16A (680V, 100kA), BSS8: 25A (415V,80kA)   9G: 20A (690V,100kA), abt. 16A (680V, 100kA), BSS8: 25A (415V,80kA)   9G: 20A (690V,100kA), abt. 20A (690V,100kA), BSS8: 20A (415V,80kA)   9G: 20A (690V,100kA), abt. 20A (690V,100kA), abt. 20A (690V,100kA), BSS8: 25A (415V,80kA)   9G: 20A (690V,100kA), abt. 20A (690V,100kA),	design of the fuse link	
with type of assignment 2 required	• for short-circuit protection of the main circuit	
of or short-circuit protection of the auxillary switch required mounting possibion mounting possibion  fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  height 58 mm  width 45 mm  depth 73 mm  required spacing  with side-by-side mounting — forwards 10 mm — at the side 0 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm — at the side 6 mm — downwards 10 mm — in a side side side side side side side side	<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm.  ### With 4-45 mm. ### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. ### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. ### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. ### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. ### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. #### With 3de by 4-228° on vertical mounting surface; can be tilted forward and backward by 4-280 mm. #### With 3de by 4-228° on mounting on the 10 mm. #### With 3de by 4-228° on mounting out on 5 mm. Din 10 mm. #### With 3de by 4-228° on mounting out of 5 mm. #### With 3de by 4-228° on mounting out of 5 mm. #### With 3de by 4-228° on mounting out of 5 mm. #### With 3de by 4-228° on vertical formal and	<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
mounting position  #4-f180" retailson possible on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled forward and backward by 4-f2.5" on vertical mounting surfaces; can be tilled for billion and surfaces; and	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
backward by 4-22.5' on vertical mounting surface	Installation/ mounting/ dimensions	
Serew and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	mounting position	
Might   Migh	factoring method	·
width depth 73 mm required spacing  • with side-by-side mounting  — forwards 10 mm — downwards 10 mm — downwards 10 mm — of owards 10 mm — at the side 0 mm — of owards 10 mm — at the side 10 mm — owards 10 mm —		
depth   73 mm   required spacing		
required spacing  with side-by-side mounting —forwards — upwards — of with side — of grounded parts  type of electrical connection  • for main current circuit • of a vasifiary and control circuit • of a vasifiary and control circuit • of grounded parts • of magnet coll  type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • for AVMC cables for main contacts • solid • stranded • finely stranded with core end processing • for own captal grounded ground		
• with side-by-side mounting  forwards forwards upwards at the side on mm -	· ·	73 11111
- upwards	, c	10 mm
- downwards - at the side 0 mm  - at the side 10 mm  - forwards 10 mm  - upwards 10 mm  - at the side 6 mm  - downwards 10 mm  - for live parts  - forwards 10 mm  - for live parts  - forwards 10 mm  - downwards 10 mm  - domnards 10 mm  - downwards 10 mm  - downwards 10 mm  - domnards 5 mm  - at the side 6 mm   Connections/ Torminals  type of electrical connection  • for main current circuit screw-type terminals  • at contactor for auxiliary and control circuit screw-type terminals  • of magnet coil screw-type terminals  • for main current circuit screw-type terminals  • for main contacts  - solid - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (20 16), 2x (18 14), 2x 12  connectable conductor cross-section for main contacts  • solid • finely stranded with core end processing 0.5 2.5 mm²  • for hiely stranded with core end processing 0.5 2.5 mm²  • for auxiliary contacts  • solid or stranded 0.5 4 mm²  • finely stranded with core end processing 0.5 2.5 mm²  • for auxiliary contacts  • solid or stranded 0.5 4 mm²  • finely stranded with core end processing 0.5 2.5 mm²  • for auxiliary contacts  • solid or stranded 0.5 4 mm²  • finely stranded with core end processing 0.5 2.5 mm²  • for auxiliary contacts  • solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm		
- at the side	·	
• for grounded parts		
		Ullill
- upwards - at the side - downwards 10 mm  for live parts - forwards 10 mm  - upwards - upwards 10 mm  - upwards 10 mm  - at the side - downwards 10 mm  - at the side - downwards 10 mm  - at the side - formal connection  * for main current circuit * for auxiliary and control circuit * at contactor for auxiliary contacts * of magnet coil  * type of connectable conductor cross-sections  * for main contacts - solid - solid or stranded - finely stranded with core end processing  * finely stranded with core end processing - finely stranded with core end processing  * for auxiliary contacts  * solid or stranded - finely stranded with core end processing - for live stranded - finely stranded with core end processing - for stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts		10 mm
- at the side — downwards 10 mm  • for live parts — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm  Connections/ Terminals  type of electrical connection • for awilliary and control circuit sorew-type terminals • of a williary and control circuit sorew-type terminals • of magnet coil sorew-type terminals • for main contacts — solid or stranded — finely stranded with core end processing • for awilliary and control contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded • finely stranded with core end processing • for awilliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for awilliary contacts • solid or stranded — finely stranded with core end processing • for awilliary contacts • solid or stranded — finely stranded with core end processing • for AWG cables for awilliary contacts  • solid or stranded — finely stranded with core end processing • for AWG cables for awilliary contacts  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²		
- downwards  • for live parts  - forwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • at contactor for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections  • for famin contacts  - solid  - solid or stranded  - finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • for AWG cables for main contacts  • solid or stranded  • finely stranded with core end processing  • for suddilary contacts  • solid or stranded  • finely stranded with core end processing  • for suddilary contacts  • solid or stranded  • finely stranded with core end processing  • for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • for auxiliary contacts	·	
• for live parts		
forwards		IU IIIIII
- upwards	·	40 mm
- downwards - at the side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • of main contacts • of main contacts  - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  • for AWG cables for main contacts • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for near connectable conductor cross-section for main contacts • solid • finely stranded with core end processing • for award conductor cross-section for main contacts • solid • finely stranded with core end processing • for award conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for award connectable conductor cross-sections • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for award dilary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts  • for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts		
The side 6 mm  Connections/ Terminals  type of electrical connection  • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • of main contacts • for main contacts  - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  - solid or stranded 2x (0.5 1.5 mm²), 2x (1.75 2.5 mm²) • for AWG cables for main contacts  • solid 0.5 4 mm² • stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • finely stranded with core end processing 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts • solid or stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm²  connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm²  type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded 0.5 4 mm² • finely stranded with core end processing 0.5 2.5 mm²  type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	•	
type of electrical connection  • for main current circuit • for auxiliary and control circuit • screw-type terminals • of magnet coil  type of connectable conductor cross-sections • for main contacts  — solid — solid or stranded — finely stranded with core end processing • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded  - solid or stranded  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  - finely stranded with core end processing  - finely stranded with core end processing		
type of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections  • for main contacts  — solid  — solid  — solid or stranded — finely stranded with core end processing  • stranded  • stranded  • stranded  • stranded  • finely stranded with core end processing  • finely stranded with core end processing  • solid or stranded  • stranded  • stranded  • finely stranded with core end processing  • finely stranded with core end processing  • solid  • stranded  • finely stranded with core end processing  • finely stranded with core end processing  • solid or stranded  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  connectable conductor cross-sections  • finely stranded with core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for AWG cables for auxiliary contacts  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		6 mm
<ul> <li>• for main current circuit</li> <li>• for auxilliary and control circuit</li> <li>• at contactor for auxilliary contacts</li> <li>• of magnet coil</li> <li>Screw-type terminals</li> <li>• of magnet coil</li> <li>Screw-type terminals</li> <li>type of connectable conductor cross-sections</li> <li>• for main contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• for AWG cables for main contacts</li> <li>• solid</li> <li>• stranded</li> <li>• stranded</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded with core end processing</li> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• for auxiliary contacts</li> <li>• for auxiliary contacts</li> <li>— solid or stranded</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• for AWG cables for auxiliary contacts</li> </ul>		
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>for main contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• solid</li> <li>• solid</li> <li>— finely stranded with core end processing</li> <li>• for AWG cables for main contacts</li> <li>• solid</li> <li>• solid</li> <li>• for AWG and with core end processing</li> <li>• for auxiliary contacts</li> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded with core end processing</li> <li>• finely stranded with core end processing</li> <li>• for auxiliary contacts</li> <li>- solid or stranded</li> &lt;</ul>		corous tuno terminale
<ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• solid</li> <li>• type of connectable conductor cross-section for main contacts</li> <li>• solid</li> <li>• for AWG cables for main contacts</li> <li>• solid</li> <li>• stranded</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• solid</li> <li>• stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• solid or stranded</li> <li>• finely stranded with core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded with core end processing</li> <li>• for auxiliary contacts</li> <li>— solid or stranded</li> <l< td=""><td></td><td></td></l<></ul>		
• of magnet coil  type of connectable conductor cross-sections  • for main contacts  — solid — solid or stranded — finely stranded with core end processing • finely stranded with core end processing  • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	•	
type of connectable conductor cross-sections  • for main contacts  — solid  — solid or stranded  — solid or stranded (2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  — finely stranded with core end processing (2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  • for AWG cables for main contacts (2x (20 1.5 mm²), 2x (1.75 2.5 mm²)  • for AWG cables for main contacts (2x (20 16), 2x (18 14), 2x 12  connectable conductor cross-section for main contacts  • solid (3.5 4 mm²)  • finely stranded with core end processing (3.5 2.5 mm²)  connectable conductor cross-section for auxiliary contacts  • solid or stranded (3.5 4 mm²)  • finely stranded with core end processing (3.5 2.5 mm²)  type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded (2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  — finely stranded with core end processing (2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  • for AWG cables for auxiliary contacts (2x (20 16), 2x (18 14), 2x 12	·	**
<ul> <li>for main contacts         — solid</li></ul>		odew-type terminals
solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² solid or stranded 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), 2x 4 mm² finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) for AWG cables for main contacts 2x (20 16), 2x (18 14), 2x 12  connectable conductor cross-section for main contacts solid 0.5 4 mm² finely stranded with core end processing 0.5 2.5 mm²  connectable conductor cross-section for auxiliary contacts solid or stranded 0.5 4 mm² finely stranded with core end processing 0.5 2.5 mm²  type of connectable conductor cross-sections solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) finely stranded sith core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) finely stranded sith core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	· ·	
- solid or stranded - finely stranded with core end processing • for AWG cables for main contacts  • solid • stranded • finely stranded with core end processing • for AWG cables for main contacts  • solid • stranded • stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing  type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded - finely stranded - finely stranded - finely stranded with core end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		2v (0.5
<ul> <li>— finely stranded with core end processing</li> <li>● for AWG cables for main contacts</li> <li>②x (20 16), 2x (18 14), 2x 12</li> <li>Connectable conductor cross-section for main contacts</li> <li>● solid</li> <li>○ stranded</li> <li>○ finely stranded with core end processing</li> <li>○ solid or stranded</li> <li>○ finely stranded with core end processing</li> <li>○ 5 4 mm²</li> <li>○ 5 2.5 mm²</li> <li>Connectable conductor cross-section for auxiliary contacts</li> <li>● solid or stranded</li> <li>○ 5 4 mm²</li> <li>○ 5 4 mm²</li> <li>○ 5 2.5 mm²</li> <li>10.5 4 mm²</li> <li>○ 5 2.5 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²</li> <li>— solid or stranded</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>②x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>		
<ul> <li>for AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>resolid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (20 16), 2x (18 14), 2x 12</li> </ul>		
connectable conductor cross-section for main contacts  • solid  • stranded  • stranded  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  - solid or stranded  - solid or stranded  - finely stranded with core end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  • for AWG cables for auxiliary contacts  2x (20 1.5 mm²), 2x (18 14), 2x 12	•	
<ul> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (20 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.75 2.5 mm²)</li> </ul>		ZA (ZU 10), ZA (10 14), ZX 1Z
<ul> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>media or stranded</li> <li>finely stranded with core end processing</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (20 16), 2x (18 14), 2x 12</li> </ul>		0.5 4 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (20 16), 2x (18 14), 2x 12</li> </ul>		
connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  • for AWG cables for auxiliary contacts  2x (20 16), 2x (18 14), 2x 12		
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>		V.V 4.V IIIIII
<ul> <li>◆ finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>◆ for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>◆ for AWG cables for auxiliary contacts</li> <li>0.5 2.5 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>	-	0.5 4 mm <sup>2</sup>
type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for AWG cables for auxiliary contacts  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (20 16), 2x (18 14), 2x 12		
<ul> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> </ul>		0.0 2.0 Hilli
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>● for AWG cables for auxiliary contacts</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (20 16), 2x (18 14), 2x 12</li> </ul>		
<ul> <li>— finely stranded with core end processing</li> <li>• for AWG cables for auxiliary contacts</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>2x (20 16), 2x (18 14), 2x 12</li> </ul>	•	2v (0.5
• for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 2x 12		
AVVO number as coded connectable conductor cross	·	ZX (ZU 10), ZX (18 14), ZX 1Z
section		

• for main contacts	20 12
<ul> <li>for auxiliary contacts</li> </ul>	20 12
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	20 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Approvals Certificates	
General Product Approval	

General Product Ap-



Confirmation



<u>KC</u>

**EMV Functional Saftey Test Certificates** Marine / Shipping





Type Examination Cer**tificate** 

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>



Marine / Shipping other



Confirmation



Confirmation



<u>ate</u>





**Miscellaneous** 

Railway Environment other

Special Test Certific-

**Environmental Confirmations** 

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-1AD02

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AD02

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AD02

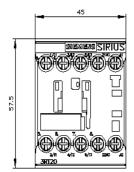
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

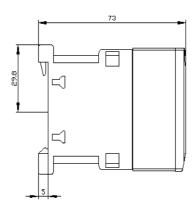
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-1AD02&lang=en

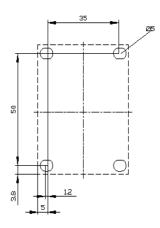
Characteristic: Tripping characteristics, I2t, Let-through current

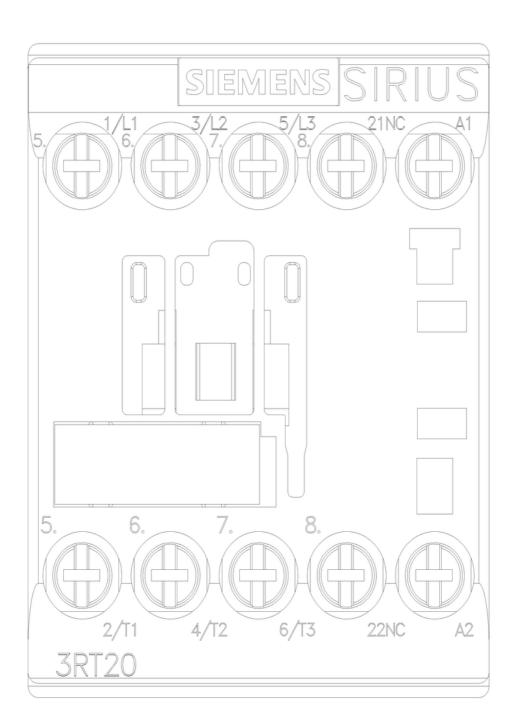
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AD02/char

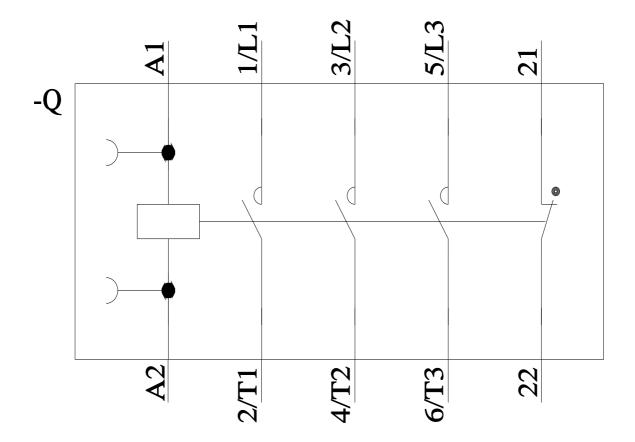
Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AD02&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AD02&objecttype=14&gridview=view1</a>











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