## SIEMENS

## Data sheet

## 3RT2015-1AP01



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, auxiliary contacts: 1 NO, screw terminal

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
<ul> <li>auxiliary switch</li> </ul>	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
<ul> <li>without load current share typical</li> </ul>	4.2 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation 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
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	

number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	18 A
• at AC-1	
	18 A
— up to 690 V at ambient temperature 40 °C rated value	IOA
— up to 690 V at ambient temperature 60 °C	16 A
rated value	
• 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	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	6.5 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	15.8 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	5.8 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	4 A
	4 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	4 A
— up to 500 V for current peak value n=20 rated	3.8 A
value	
— up to 690 V for current peak value n=20 rated	3.6 A
value	
● at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	2.7 A
— up to 400 V for current peak value n=30 rated	2.7 A
value	2.1 A
— up to 500 V for current peak value n=30 rated	2.5 A
value	
<ul> <li>up to 690 V for current peak value n=30 rated</li> </ul>	2.4 A
value	
minimum cross-section in main circuit at maximum AC-1 rated value	2.5 mm <sup>2</sup>
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	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— 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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— 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
— at 600 V rated value	0.5 A
• with 3 current paths in series at DC-1	45.4
— 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
• with 2 current paths in series at DC-3 at DC-5	
— 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	45 4
— 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 230 V rated value — at 400 V rated value	1.5 KW 3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	+ KVV
— 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
<ul> <li>at 690 V rated value</li> </ul>	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	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1.8 kVA
• up to 500 V for current peak value n=30 rated value	2.2 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	2.9 kVA
short-time withstand current in cold operating state up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	120 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>Initial to 1's switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>Imited to 5 s switching at zero current maximum</li> <li>Imited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10's switching at zero current maximum</li> <li>limited to 30's switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>Imited to 50's switching at zero current maximum</li> <li>Imited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	10 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e 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	230 V
at 60 Hz rated value	230 V

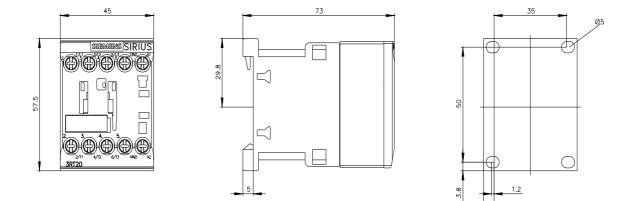
operating range factor control cumply voltage rated	
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	27 VA
• at 60 Hz	24.3 VA
inductive power factor with closing power of the 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	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NO contacts for auxiliary contacts	1
instantaneous contact	40.4
operational current at AC-12 maximum	10 A
operational current at AC-15	10.4
at 230 V rated value	10 A 3 A
<ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	2 A
at 690 V rated value	1A
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	1 A
at 125 V rated value	0.9 A
• 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	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	4.8 A
• at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	1.5 hp
— at 220/230 V rated value	2 hp
— at 460/480 V rated value	3 hp
— at 575/600 V rated value	5 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	

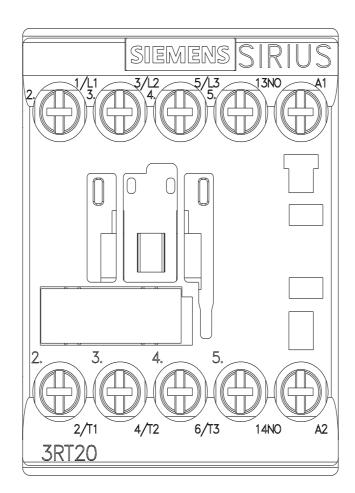
	<ul> <li>design of the fuse link</li> <li>for short-circuit protection of the main circuit</li> </ul>	
- with type of assignment 2 required gG: 20A (600V, 100kA), abl: 16A (600V, 100kA), BS88: 20A (415V, gG: 10 A (500 V, 10kA) for short-circuit protection of the auxiliary switch required and backward by 4-2 25' on vertical mounting surface; can be tilted forward and backward by 4-2 25' on vertical mounting surface; and a backward by 4-2 25' on vertical mounting surface; fasterning method solve by side mounting vertical mounting on 0.35 mm DIN rail according to DIN EN 60715 • side by side mounting • with side-by side mounting • upwards • upwards • upwards • for yourds • for yourds		gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
• for short-circuit protection of the auxiliary switch required         gG: 10.4 (S00 V, 1 kA)           Instanting position         +-100° indiation possible on vertical mounting surface: can be illust forward and backward by +/- 22.5° on vertical mounting surface: screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 00715           • safe by-side mounting         Yes           • side by-side mounting         Yes           • side by-side mounting         Yes           • with side by-side mounting         Yes           • or ground de parts         Yes           • for ground de parts         Yes           • for wards         10 mm           • for live parts         Yes           • for wards         10 mm           • for wards         10 mm           • for live parts         10 mm           • for wards         10 mm           • for wards in orinsit         screw-type terminals      <		gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,
meunting position     +160° rotation possible on vortical mounting surface; can be liked forward and backward by X-22 so new form innounting surface; solide-by-side mounting       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 807/15       • solid-by-side mounting     Yes       height     78 mm       required spacing     Yes       • with side-by-side mounting     10 mm       - upwards     10 mm       - upwards     10 mm       - dorwards     10 mm		,
meunting position     +160° rotation possible on vortical mounting surface; can be liked forward and backward by X-22 so new form innounting surface; solide-by-side mounting       fastening method     screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 807/15       • solid-by-side mounting     Yes       height     78 mm       required spacing     Yes       • with side-by-side mounting     10 mm       - upwards     10 mm       - upwards     10 mm       - dorwards     10 mm	· · ·	
fatebring method     screew-upp terminals       eiside-by-side mounting     Yes       height     45 mm       with with     45 mm       depth     73 mm       required spacing     10 mm       - upwards     10 mm       - downwards     10 mm       - forwards     10 mm       - forwards     10 mm       - forwards     10 mm       - downwards     10 mm       - downwards     10 mm       - forwards     10 mm       - forwards     10 mm       - downwards     10 mm       - otomwards     10 mm       - forwards     10 mm       - forwards     10 mm <td></td> <td>+/-180° rotation possible on vertical mounting surface; can be tilted</td>		+/-180° rotation possible on vertical mounting surface; can be tilted
eide-by-side mounting     Yes       height     68 mm       width     68 mm       depth     73 mm       required spacing     10 mm       - Unwards     10 mm       - Unwards     10 mm       - downwards     10 mm       - at the side     6 mm       - at the side     6 mm       - at the side     6 mm       - downwards     10 mm       - at the side     6 mm       - downwards     10 mm       - at the side     6 mm       - at the side     6 mm       - for auxiliary and contact doraut     screw-type terminals       - of auxiliary contacts     5 me		
height width     50 mm       width     45 mm       depth     73 nm       required spacing     73 nm       - forwards     10 mm       - upwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - for auxillary contacts     screw-type terminals       of magnet coll     screw-type terminals       - of downwards     screw-type terminals       - of downet collactor for auxillary contacts     screw-type terminals       - of downet collactor for auxillary contacts	fastening method	
with depth     45 mm       depth     73 mm       required spacing     73 mm       • with side-by-side mounting     0 mm       - upwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - for auxiliary and control draut     screw-type terminals       * for auxiliary and control draut     screw-type terminals       * for auxiliary and control draut     screw-type terminals       * a dontacteble conductor cross-sections for main     screw-type terminals       * of main contact     Screw-type terminals       * solid or stranded     2x (0.5 15 mm <sup>2</sup> ), 2x (0.75 25 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> * solid or stranded     05 4 mm <sup>2</sup> * solid or stranded     05 4 mm <sup>2</sup> * finely stranded with core end processin	<ul> <li>side-by-side mounting</li> </ul>	Yes
depth     73 mm       required spacing     -       -     forwards     10 mm       -     forwards     10 mm       -     downwards     10 mm       -     downwards     10 mm       -     forwards     10 mm       -     downwards     10 mm       -     upwards     10 mm       -     downwards     10 mm       -     orwards     10 mm       -	-	
required spacing     • with side-by-side mounting       - forwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     0 mm       - at the side     0 mm       - upwards     10 mm       - downwards     10 mm       - downward		
• with side-by-side mounting     - forwards     10 mm       - ownwards     10 mm       - downwards     10 mm       - downwards     0 mm       - for grounded parts     0 mm       - forwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     20 mm       Connectable conductor cross-sections for mains       cortacts     Screw-type terminals <td>•</td> <td>73 mm</td>	•	73 mm
- forwards10 mm- upwards10 mm- downwards0 mm- at the side0 mm- at the side0 mm- for ourded parts10 mm- upwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm- downwards50 mm- downwards50 mm- downwards10 mm- downwards50 mm- for nan bournet circuitscrew-type terminals- for auxiliary and control circuitscrew-type terminals- of on aptic collScrew-type terminalsof angret coll2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded0.5 4 mm²- solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- inely stranded with core end processing0.5 4 mm²- inely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- inely stranded with core end processing </td <td></td> <td></td>		
- upwards     10 mm       - downwards     0 mm       - or prounded parts     0 mm       - for grounded parts     10 mm       - upwards     10 mm       - upwards     10 mm       - upwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - upwards     10 mm       - dommanument (crudt)     screw-type terminals       for auxiliary and control circut     screw-type terminals       • for main current circut     screw-type terminals       • of magnet coll     Screw-type terminals       • of magnet coll     Screw-type terminals       • solid or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded     2x (0.5 1.5 mm <sup>3</sup> , 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded     0.5 4 mm <sup>3</sup> • stranded with core end processing     0.5 4 mm <sup></sup>		
- downwards     10 mm       - at the side     0 mm       - for grounded parts     10 mm       - forwards     10 mm       - upwords     10 mm       - at the side     6 mm       - downwards     10 mm       - downwards     Screew-type terminals       of a raubilary contacts     Screew-type terminals		
<ul> <li>for grounded parts         <ul> <li>for wards</li> <li>forwards</li> <li>at the side</li> </ul> </li> <li>for live parts         <ul> <li>at the side</li> <li>at the side</li> <li>at the side</li> <li>at the side</li> </ul> </li> <li>connectable Connectable conductor cross-section for main contexts</li> <li>as cold</li> <li>at stranded</li> <li>at at stranded</li> <li>at at a</li></ul>		
- forwards     10 mm       - upwards     10 mm       - upwards     10 mm       - at the side     6 mm       - forwards     10 mm       - forwards     10 mm       - forwards     10 mm       - upwards     10 mm       - downwards     10 mm       - at the side     6 mm       Connections/Terminals     5 crew-type terminals       (or auxiliary and onthol circuit     screw-type terminals       • of angent coil     Screw-type terminals       (or auxiliary and control circuit     screw-type terminals       • of angent coil     Screw-type terminals       (or auxiliary and control circuit     screw-type terminals       • of angent coil     Screw-type terminals       (or auxiliary contacts     Screw-type terminals       • of angent coil     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • olid or stranded     0.5 4 mm <sup>3</sup> • olid or stranded     0.5 4 mm <sup>3</sup> • finely stranded with core end processing     0.5 2.5 mm <sup>3</sup> • of auxiliary contacts     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup>		U mm
- upwards     10 mm       - a the side     6 mm       - downwards     10 mm       • for live parts     10 mm       - forwards     10 mm       - upwards     10 mm       - downwards     5 mm       - downwards     5 mm       - downwards     5 mm       - downwards     5 crew-type terminals       scidi or stranded     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>4</sup> • solid or stranded     0.5 4 mm <sup>4</sup> • solid or stranded     0.5 4 mm <sup>4</sup> • solid or stranded     0.5 4 mm <sup>4</sup> • for awillary contacts     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>4</sup> • for awillary contacts     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0	<b>o</b>	10 mm
downwards     10 mm       • for live parts     10 mm       forwards     10 mm       upwards     10 mm       downwards     0 mm       downwards     5 mm       downwards     Screw-type terminals       otractor for auxiliary contacts     Screw-type terminals       otractable conductor cross-sections for main     Contacts       otracts     2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> finely stranded with core end processing     0.5 4 mm <sup>2</sup> - finely stranded with core end processing		
<ul> <li>for live parts         <ul> <li>Towards</li> <li>U mm</li> <liu li="" mm<=""> <li>U mm</li></liu></ul></li></ul>		
forwards10 mm upwards10 mm downwards10 mm at the side6 mmConnectional TerminalsScrew-type ferminals• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of magnet collScrew-type terminals• of magnet collScrew-type terminals• of magnet collScrew-type terminals• solid2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid0.5 4 mm²• forley stranded with core end processing0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²)• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 4 mm²• finely stranded with core end processing0.5 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm³), 2x 4 mm²• of orauxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² <td></td> <td>TO THIT</td>		TO THIT
upwards10 mm downwards10 mm at the side6 mmConnections! Terminalstype of electrical connection• for main current circuitscrew-type terminals• for axiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• of magnet coilScrew-type terminals• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• solid0.5 4 mm²• solid or stranded with core end processing0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing2.x (0.75 2.5 mm²), 2.x 4 mm²• finely stranded with core end processing2.x (0.5 1.5 mm²), 2.x (0.75 2.5 mm²), 2.x 4 mm²• finely stranded with core end processing2.x (0.5 1.5 mm²), 2.x (0.75 2.5 mm²), 2.x 4 mm²• for auxiliary contacts2.x (0.5 1.5 mm²), 2.x (0.75 2.5 mm²), 2.x 4 mm²<		10 mm
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<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>of magnet coil</li> <li>Screw-type terminals</li> <li>Screw-type</li></ul>	51	
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<ul> <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>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>20 12</li> <li>Safety related data</li> <li>product function</li> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes; with 3RH29</li> </ul>	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>solid</li> <li>solid</li> <li>solid</li> <li>solid</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 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• at AWG cables for auxiliary contactsAWG number as coded connectable conductor cross section• for main contacts• for auxiliary contacts20 12Safety related dataproduct function• mirror contact according to IEC 60947-4-1Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>contacts</li> <li>contacts</li> <li>contacts</li> <li>contacts</li> <li>contacts</li> <li>contacts</li> <li>contacts</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup>
<ul> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>solid or stranded</li> <li>solid or stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> </li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c fo</li></ul>	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
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— finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• at AWG cables for auxiliary contacts2x (20 16), 2x (18 14), 2x 12AWG number as coded connectable conductor cross section20 12, 20 12• for main contacts20 12• for auxiliary contacts20 12Safety related data20 12product function • mirror contact according to IEC 60947-4-1Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup>
• at AWG cables for auxiliary contacts       2x (20 16), 2x (18 14), 2x 12         AWG number as coded connectable conductor cross section       20 12, 12, 12         • for main contacts       20 12         • for auxiliary contacts       20 12         Safety related data       20 12         • mirror contact according to IEC 60947-4-1       Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>contacts</li> <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>type of connectable conductor cross-section for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross section       4         • for main contacts       20 12         • for auxiliary contacts       20 12         Safety related data       20 12         product function       • mirror contact according to IEC 60947-4-1         Yes; with 3RH29       Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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>type of connectable conductor cross-section for auxiliary contacts</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> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>
section     20 12       • for main contacts     20 12       • for auxiliary contacts     20 12       Safety related data     20 12       product function     Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>totat stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>a solid or stranded</li> <li>finely stranded with core end processing</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
• for auxiliary contacts     20 12       Safety related data       product function       • mirror contact according to IEC 60947-4-1       Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>totat subject to the 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>a solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
Safety related data       product function       • mirror contact according to IEC 60947-4-1       Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>type of 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>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
product function       • mirror contact according to IEC 60947-4-1       Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>type of 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>a solid or stranded</li> <li>mely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>
mirror contact according to IEC 60947-4-1 Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</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>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>a solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 2x 12 20 12
mirror contact according to IEC 60947-4-1 Yes; with 3RH29	<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</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>connectable conductor cross-section for main contacts</li> <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</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>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>a solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 0.5 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14), 2x 12 20 12
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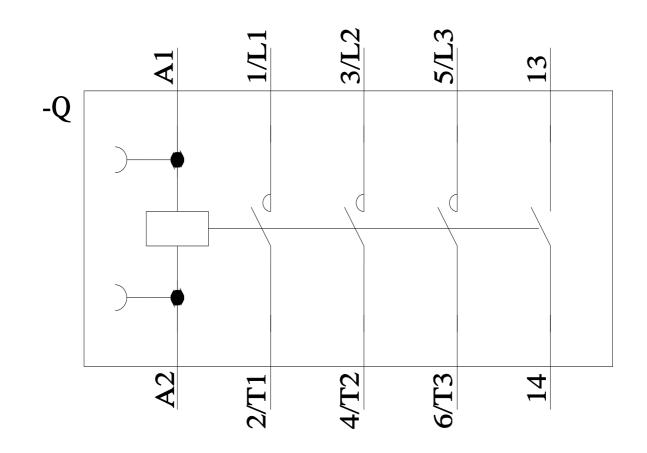
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