## SIEMENS

## Data sheet

## 3RT2017-1AB01



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V AC, 50/60 Hz, auxiliary contacts: 1 NO, 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>	1.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
<ul> <li>without load current share typical</li> </ul>	1.5 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 protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 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	
during operation	-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 %
Main circuit	
number of poles for main current circuit	3

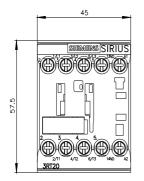
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	7.2 A
— up to 230 V for current peak value n=20 rated value	
— up to 400 V for current peak value n=20 rated value	7.2 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	7.2 A 6.7 A
at AC-6a	0.7 A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
• at 690 V rated value	3.3 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
• with 3 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

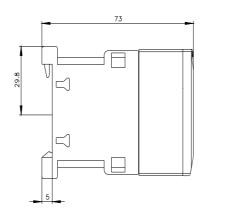
— at 24 V rated value	20 A		
— at 60 V rated value	0.5 A		
— at 110 V rated value	0.15 A		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	20 A		
— at 60 V rated value	5 A		
— at 110 V rated value	0.35 A		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	20 A		
— at 60 V rated value	20 A		
— at 110 V rated value	20 A		
— at 220 V rated value	1.5 A		
— at 440 V rated value	0.2 A		
— at 600 V rated value	0.2 A		
operating power			
• at AC-3			
— at 230 V rated value	3 kW		
— at 400 V rated value	5.5 kW		
— at 500 V rated value	5.5 kW		
— at 690 V rated value	5.5 kW		
• at AC-3e			
— at 230 V rated value	3 kW		
— at 400 V rated value	5.5 kW		
— at 500 V rated value	5.5 kW		
— at 690 V rated value	5.5 kW		
operating power for approx. 200000 operating cycles at AC-			
4			
• at 400 V rated value	2 kW		
• at 690 V rated value	2.5 kW		
operating apparent power at AC-6a			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	2.8 kVA		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4.9 kVA		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	6.2 kVA		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	8 kVA		
operating apparent power at AC-6a			
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1.9 kVA		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	3.3 kVA		
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.1 kVA		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	5.7 kVA		
short-time withstand current in cold operating state up to			
40 °C			
Imited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value		
Imited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value		
Imited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value		
Imited to 30 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value		
Imited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency	40.000.4#		
• 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	24 V		
• at 60 Hz rated value	24 V		
operating range factor control supply voltage rated value of magnet coil at AC			
• at 50 Hz	0.8 1.1		

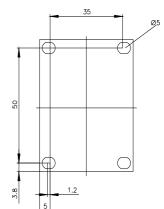
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	37 VA
• at 60 Hz	33 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.8
● at 60 Hz	0.75
apparent holding power of magnet coil at AC	
• at 50 Hz	5.7 VA
● at 60 Hz	4.4 VA
inductive power factor with the holding 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 instantaneous	1
contact	
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	
<ul> <li>at 24 V rated value</li> </ul>	10 A
• at 48 V rated value	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
<ul> <li>at 600 V rated value</li> </ul>	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
• at 48 V rated value	2 A
<ul> <li>at 60 V rated value</li> </ul>	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	11 A
• at 600 V rated value	11 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
— at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	

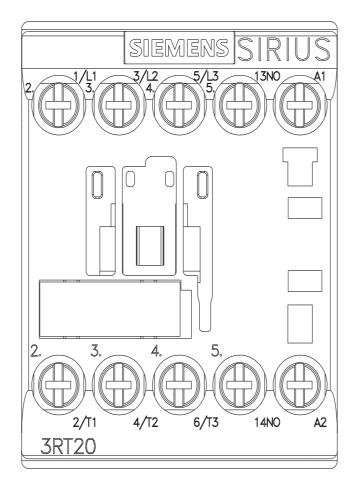
	• for short-circuit protection of the main circuit		
• (or indecidency of the auxiliary sector nequence instantial production of the auxiliary sector nequence instantial production of the auxiliary sector nequence instantial production of the auxiliary sector nequence is decloy-side mounting • side doy-side doy-side mounting • side doy side doy side mounting • side doy side do	<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)	
Institution mounting contracts         4/100 motion           meaning position         4/100 motion possition or vertical mounting surfaces can be litted forward and backward by #-2.25 for wertical mounting surfaces           stateling method         stateling method           * side-by-side mounting         Yes           Neight         98 mm           virtin         45 mm           depth         73 mm           required spacing         0 mm           - upwards         10 mm           - upwards         10 mm           - derwards         1	<ul> <li>— with type of assignment 2 required</li> </ul>		
mounting position         +1-60° rotation possitio on vertical mounting surfaces can be liked forward and backgrow with an ap-on mounting onto 35 mm DIN rail according to DIN EN 00715           iside-by-side mounting         Yes           height         98 mm           width         45 mm           depth         73 mm           required spacing         Yes           width ade-by-side mounting         10 mm           - drowards	<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)	
Selection period         Backward by 4/z 22° on vertical mounting surface           Selection period         Yes           BigIph         Serma surface           BigIph         Serma           Insight	Installation/ mounting/ dimensions		
eight         Yes           height         98 mm           height         98 mm           depth         73 mm           required spacing         10 mm           - forwards         10 mm           - downwards         10 mm           - forwards         10 mm           - downwards         10 mm           - forwards         10 mm           - downwards         10 mm           - arbit maile         30 mm           Consective Conse	mounting position		
heigh         98 mm           vidth         45 mm           depth         70 mm           required spacing         73 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm	-		
with         45 mm           depth         73 mm           required spacing         73 mm           • with side-by-aide mounting         10 mm           • downwards         10 mm           • downards         10			
depth         73 mm           required spacing			
required spacing			
• with side-speake mountingI 0 mm- forwards10 mm- downwards10 mm- downwards0 mm- downwards0 mm- downwards10 mm- forgroundel parts0 mm- uywards10 mm- uywards10 mm- uywards10 mm- uywards10 mm- downwards0 mm- downwards10 mm- downwards0 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards0 mm- downwards2 (0.5 15 mm <sup>1</sup> ), 2 k (0.75	-	/3 mm	
- rowards0 mm- upwards00 mm- upwards0 mm- downwards0 mm- at the side0 mm- forwards10 mm- forwards10 mm- upwards0 mm- downwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- upwards0 mm- forwards0 mm- forwards5 mm- for anic current circuitscrew-type terminals- for anic current circuitscrew-type terminals- for anginet collScrew-type terminals- solid0 or stranded- solid or stranded0.5 4 mm <sup>2</sup> - solid or stranded0.5 4 mm <sup>2</sup> - forwards conductor cross-sections0.5 4			
		10 mm	
- downwards10 mm- at the side0 mm- of orgunded parts10 mm- ownwards10 mm- ownwards0 mm- at the side6 mm- downwards10 mm- downwards10 mm- downwards10 mm- ownwards10 mm- ownwards10 mm- ownwards10 mm- downwards10 mm- downwards10 mm- ownwards10 mm- ownwards10 mm- ownwards10 mm- ownwards0 mm- ownwards10 mm- ownwards10 mm- ownwards0 mm- ownwards0 mm- ownwards0 mm- ownwards10 mm- ownwards0 mm- ownwards0 mm- ownwards0 mm- ownwards0 mm- ownwards10 mm- ownwards0 mm- ownwards10 mm- ownwards20 mm- ownwardssorew-type terminalsownwardssorew-type terminalsownwards2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> • sold0.5 4 mm <sup>3</sup> • sold or stranded0.5 4 mm <sup>3</sup> • finely stranded with core end processing0.5 4 mm <sup>3</sup> • finely stranded with core end processing0.5 4 mm <sup>3</sup> • finely stranded with core end processing2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>3</sup> • finely stranded with core end processing2x (0.5 1.5			
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• for grounded partsI 0 mm forwards10 mm at the side6 mm at the side6 mm downwards10 mm forwards10 mm forwards10 mm upwards10 mm upwards10 mm upwards10 mm downwards10 mm downwards0 mm downwards0 mm downwards0 mm downwards5 mm downwards2 mm downwards2 mm downwards2 mm downwards2 mm downwards0 mm downwards2 mm downwards2 mm downwards0 mm downwards0 mm downwards2 mm downwards2 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm			
-forwards10 mm-upwards10 mm-utwards10 mm-downwards10 mm-for live parts10 mm-upwards10 mm-upwards10 mm-upwards10 mm-utwards10 mm-downwards10 mm-downwards10 mm-downwards10 mm-downwards5 mmConnections/TerminalsScrew-type terminals-for auxiliary and control circuitscrew-type terminals-otoritol circuitscrew-type terminals-otoritol circuitscrew-type terminals-otoritol circuitscrew-type terminals-otoritol circuitscrew-type terminals-otoritol circuitscrew-type terminals-otoritol circuitscrew-type terminals-solid control circuit cores-section for main contactsscrew-type terminals-solid contactor cross-section for main contactsscrew-type terminals-solid or strandeddb 5 4 mm²-solid or strandedscrew-type terminals-solid or strandedscrew-type terminals-stranded with core end processing05 25 mm²-solid or strandedscrew-type terminals-solid or strandedscrew-type terminals-solid or strandedscrew-type terminals-solid or strandedscrew-type		0 mm	
		10 mm	
downwards10 mm• for live parts10 mm downwards10 mm downwards10 mm downwards10 mm downwards00 mm dthe side6 mmConnection I reminalsScrew-type terminalsScrew-type terminalsScrew-			
• for live partsImage: converted by the parts- forwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- at the side6 mmConnections/Terminalsscrew-type terminalsfor main current circuitscrew-type terminalsof magnet collScrew-type terminalsof auxillary contactsScrew-type terminalsof magnet collScrew-type terminalsof domated for auxillary contactsScrew-type terminalsof domated with core end processing2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> onnectable conductor cross-section for main contactsScrew-type terminalsof solid of stranded0.5 4 mm <sup>3</sup> ots stranded with core end processing0.5 4 mm <sup>3</sup> ots auxillary contactsScrew-type terminalsof or auxillary contactsScrew-type terminalsof or auxillary contactsScrew-type terminalsots auxillary contactsScrew-ty			
		10 mm	
dvmwards - at the side10 mm 6 mmConnections/TerminalsConnections/TerminalsConnections/Terminalstype of electrical connection • for main current circuitscrew-type terminalsof main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of magnet collScrew-type terminalstype of connectable conductor cross-sections for main contactssolid• solidScrew-type terminals• solid or strandedScrew-type terminals• for auxiliary contactsScrew-type terminals• for auxiliary contactsScrew-type terminals• for auxiliary contacts<			
Connections/ Terminals         type of electrical connection         • for main current circuit       screw-type terminals         • of auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals         • of magnet coil       Screw-type terminals         type of connectable conductor cross-sections for main contacts       screw-type terminals         • solid       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • solid       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • solid       0.5 4 mm²         • solid       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 2.5 mm³         • for auxiliary contacts       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • for auxiliary contacts       - solid or stranded         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • for auxiliary contacts       2.5 4 mm²         • for auxiliary contacts       2.5 4 mm²         • for auxiliary contacts       2.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for auxiliar			
type of electrical connection       screw-type terminals         • for nain current circuit       screw-type terminals         • at contactor for auxiliary contacts       screw-type terminals         • of magnet coll       Screw-type terminals         type of connectable conductor cross-sections for main contacts       solid or stranded         • solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • solid or stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • stranded       0.5 4 mm²         • solid or stranded       0.5 2.5 mm³         connectable conductor cross-sections       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 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       0.5 2.5 mm²)         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for auxiliary contacts       20 12			
or main current circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of magnet collScrew-type terminalstype of connectable conductor cross-sections for main contactsScrew-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• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• solid0.5 4 mm²• solid0.5 4 mm²• trianded0.5 4 mm²• trianded0.5 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• finely stranded with core end processing0.5 4 mm²• infally stranded with core end processing0.5 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• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts20 12 <td></td> <td></td>			
• for auxiliary and control circuit     screw-type terminals       • at contactor for auxiliary contacts     Screw-type terminals       • of magnet coil     Screw-type terminals       • solid     Screw-type terminals       • solid or stranded     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       • solid or stranded     0.5 4 mm²       • finely stranded with core end processing     0.5 4 mm²       • finely stranded with core end processing     0.5 4 mm²       • for auxiliary contacts     • 5 4 mm²       • for auxiliary contacts     0.5 4 mm²       • for auxiliary contacts     2.5 mm²       • for auxiliary contacts     2.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       • for auxiliary contacts     2.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       • for auxiliary contacts     2.0 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       • for auxiliary contacts     2.0 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       • for auxiliary contacts     2.0		screw-type terminals	
• at contactor for auxiliary contacts       Screw-type terminals         • of magnet coll       Screw-type terminals         type of connectable conductor cross-sections for main contacts       • solid         • solid or stranded       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         • solid       0.5 4 mm²         • solid       0.5 4 mm²         • stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         • finely stranded with core end processing       0.5 4 mm²         • for auxiliary contacts       - solid or stranded         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x			
• of magnet collScrew-type terminalstype of connectable conductor cross-sections for main contacts>• 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• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• stranded0.5 4 mm²• stranded with core end processing0.5 2.5 mm²connectable conductor cross-section for auxiliary contacts• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²connectable conductor cross-sections0.5 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)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts20 12• for main contacts20 12• for main contacts20 12• for main contacts20 12Safety related dataYes; with 3RH29suitability for use safety-related switching OFFYesB10 value with high demand rate according to SN 319201000 000pro			
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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         - 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         AWG number as coded connectable conductor cross section         • for main contacts         20 12         Safety related data         product function         • mirror contact according to IEC 60947-4-1         Yes; with 3RH29         suitability for use safety-related switching OFF         Yes         B10 value with high demand rate according to SN 31920         proportion of dangerous failures	solid or stranded	0.5 4 mm²	
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AWG number as coded connectable conductor cross section       20 12         • 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         • mirror contact according to IEC 60947-4-1       Yes; with 3RH29         suitability for use safety-related switching OFF       Yes         B10 value with high demand rate according to SN 31920       1 000 000         proportion of dangerous failures       1 000 000	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
section• for main contacts20 12• for auxiliary contacts20 12Safety related dataproduct function• mirror contact according to IEC 60947-4-1Yes; with 3RH29suitability for use safety-related switching OFFYesB10 value with high demand rate according to SN 319201 000 000proportion of dangerous failuresImage: Content of C	<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 2x 12	
• for auxiliary contacts     20 12       Safety related data			
Safety related data         product function         • mirror contact according to IEC 60947-4-1         Yes; with 3RH29         suitability for use safety-related switching OFF         Yes         B10 value with high demand rate according to SN 31920         proportion of dangerous failures	• for main contacts	20 12	
product function         • mirror contact according to IEC 60947-4-1         Yes; with 3RH29         suitability for use safety-related switching OFF         Yes         B10 value with high demand rate according to SN 31920         1 000 000         proportion of dangerous failures	<ul> <li>for auxiliary contacts</li> </ul>	20 12	
mirror contact according to IEC 60947-4-1 Yes; with 3RH29     suitability for use safety-related switching OFF Yes     B10 value with high demand rate according to SN 31920 1 000 000     proportion of dangerous failures	Safety related data		
suitability for use safety-related switching OFF       Yes         B10 value with high demand rate according to SN 31920       1 000 000         proportion of dangerous failures       Image: Comparison of the second secon	product function		
B10 value with high demand rate according to SN 31920       1 000 000         proportion of dangerous failures       1000 000	• mirror contact according to IEC 60947-4-1	Yes; with 3RH29	
proportion of dangerous failures	suitability for use safety-related switching OFF	Yes	
		1 000 000	
• with low demand rate according to SN 31920 40 %	proportion of dangerous failures		
	<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	

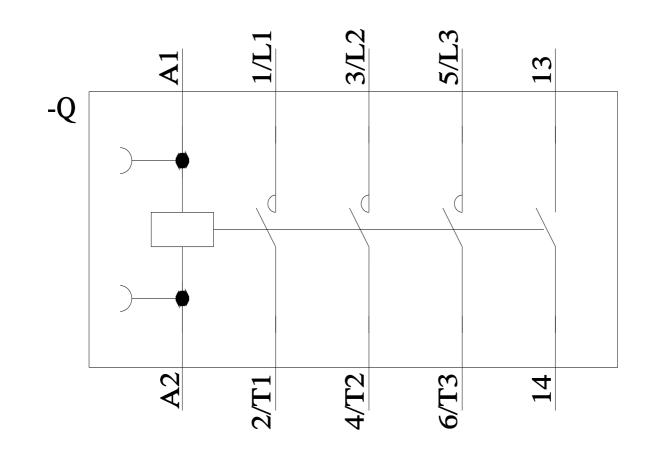
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RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	Type Test Certific- ates/Test Report	<u>Special Test Certifi</u> <u>ate</u>
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Kegister uis	PRS	RINA
Marine / Shipping	other			Railway	Environment
KMRS	<u>Confirmation</u>		<u>Confirmation</u>	Vibration and Shock	Environmental Cor firmations
	d to exit the Russian mar	tet (see here). e/siemens-wind-down-russia			
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http://www.automation Characteristic: Tripp https://support.industry	ing characteristics, I <sup>2</sup> t, Le	t-through current			











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