## SIEMENS

## Data sheet

## 3RT2027-4AR60



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 400 V AC, 50 Hz / 400-440 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, ring cable lug connection, size: S0

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	SO
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>	6.3 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.3 W
<ul> <li>without load current share typical</li> </ul>	10.5 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	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
● at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<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
<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	
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	50 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	50 A
— up to 690 V at ambient temperature 60 °C rated	42 A
value	
● at AC-3	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-3e	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
at AC-4 at 400 V rated value	22 A
• at AC-5a up to 690 V rated value	44 A
<ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>	26.5 A
	30.8 A
— up to 230 V for current peak value n=20 rated value	
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	30.8 A 27 A
— up to 500 V for current peak value n=20 rated value	21 A 21 A
• at AC-6a	21A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	20.5 A
— up to 200 V for current peak value n=30 rated value	20.5 A
— up to 500 V for current peak value n=30 rated value	18 A
— up to 690 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm <sup>2</sup>
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	12 A
at 690 V rated value	12 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	

— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.09 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	15 A
— at 220 V rated value	3 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	10 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
operating power	
• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
operating power for approx. 200000 operating cycles at AC- 4	
<ul> <li>at 400 V rated value</li> </ul>	6 kW
a at 600 V rated value	10.3 kW
<ul> <li>at 690 V rated value</li> </ul>	10.0 101
operating apparent power at AC-6a	
	12.2 kVA
operating apparent power at AC-6a	
<ul><li>operating apparent power at AC-6a</li><li>up to 230 V for current peak value n=20 rated value</li></ul>	12.2 kVA
<ul> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	12.2 kVA 21.3 kVA
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<ul> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <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> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	12.2 kVA 21.3 kVA 23.3 kVA 25 kVA 8.1 kVA
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control supply voltage at AC	
• at 50 Hz rated value	400 V
at 60 Hz rated value	440 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	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	10.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO 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
• at 400 V rated value	3 A
• at 500 V rated value	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	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	27 A
at 600 V rated value	27 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	2 hp
— at 230 V rated value	5 hp

	for 3-phase AC motor				
	•	10 hn			
		•			
contact rating of auxiliary contacts according to UL         A800 / P800           Stort-circuit protection         Stort-circuit protection of the main circuit					
Short-circuit protection              exit by event of the fase link                 er short-circuit protection of the main circuit					
design of the fuse link <ul> <li>or short-circuit protection of the main circuit</li> <li>gG: 125A (690V.100kA), aM: 50A (690V.100kA), BS88: 125A (415V.80kA)</li> <li>gG: 50A (690V.100kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.100kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.10 kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.10 kA), BS88: 50A (415V.80kA)</li> <li>gG: 10 A (500V.10 kA), aM: 25A (690V.10 kA), BS88: 50A (690V.10 kA), aM: 25A (690V.10</li></ul>		A0007 P000			
for abort-circuit protection of the main circuit					
	-				
- with type of assignment 2 required • for short-circuit protection of the auxiliary witch required <b>iteralisation'</b> mounting of informations <b>iteralisation'</b> mounting of informations <b>iteralis</b>	-	aC: 1254 (600)/ 100/4) aM: 504 (600)/ 100/4) DS89: 1254 (415)/ 90/4)			
- for short-droub protection of the auxiliary switch required     gG: 10 A (500 V, 1 KA)     instaliation mounting dimensions					
Installation/mounting/dimensions         +//180° rotation possible on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a backward by +// 22.5° on vertical mounting surface; can be titled forward a form display.           height         escew and snap-on mounting onto 35 mm DIN rall according to DIN EN 6071           vieth         45 mm           dapth         45 mm           overds         10 mm           - upwards         10 mm           - drowards         10 mm <t< td=""><td></td><td></td></t<>					
mounting position         +/180° rotation possitie on vertical mounting surfaces can be tilted forward a backward by +/22.5° on vertical mounting surfaces.           fastening method         screw and snap-on mounting on to 35 mm DIN rail according to DIN EN 6071           • side-by-side mounting         Yes           height         45 mm           depth         97 mm           required spacing         •           • with side-by-side mounting         10 mm           - drowards         10 mm           - forwards         10 mm           - forwards         10 mm <td></td> <td>gG: 10 A (500 V, 1 KA)</td>		gG: 10 A (500 V, 1 KA)			
backward by 4/-22.5° on vertical mounting surface           fastening method         screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 6071           width         45 mm           width         45 mm           depth         97 mm           required spacing         97 mm           • with side-by-side mounting         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - for younded parts         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - forwards         10 mm           - upwards         10 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           - at the side         6 mm           - downwards         10 mm           - of rowards         10 mm           - of orwards </td <td></td> <td>1/ 100° retation people on vertical mounting outface; can be tilted forward and</td>		1/ 100° retation people on vertical mounting outface; can be tilted forward and			
• side-by-side mounting         Yes           height         85 mm           width         45 mm           depth         97 mm           required spacing         97 mm           • with side-by-side mounting         -           - forwards         10 mm           - downwards         10 mm           - downwards         00 mm           - downwards         00 mm           - downwards         00 mm           - forwards         10 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10	mounting position				
height         65 mm           width         45 mm           depth         97 mm           required spacing         97 mm           • with side-by-side mounting         -           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - forgrounded parts         -           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - for main current circuit         Ring cable lug connection           ing cable	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
height         85 mm           width         45 mm           depth         97 mm           required spacing         97 mm           • with side-by-side mounting         -           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - forwards         10 mm           - forwards         10 mm           - downwards         10 mm           - downards         10 mm           - downwards         10 mm	side-by-side mounting	Yes			
with         45 mm           depth         97 mm           required spacing         97 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - for grounded parts         0 mm           - at the side         0 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm					
depth     97 mm       required spacing     • with side-by-side mounting       - forwards     10 mm       - upwards     10 mm       - downwards     10 mm       - upwards     10 mm       - upwards     10 mm       - at the side     6 mm       - downwards     10 mm       - at the side     6 mm       Connections/ Terminals     Fig cable lug connection       is of magnet coil     Ring cable lug connection       is of magnet coil     Ring cable lug connection       is of magnet coil     Ring cable lug connection       Safety related d					
required spacing         • with side-by-side mounting         - forwards       10 mm         - gowards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       0 mm         - forwards       10 mm         - at the side       0 mm         - upwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10					
• with side-by-side mounting0- forwards10 mm- upwards10 mm- upwards0 mm- downwards0 mm- at the side0 mm• for grounded parts0- forwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- do	•				
- forwards10 mm- upwards00 mm- downwards00 mm- at the side0 mm- for grounded parts0 mm- forwards10 mm- upwards10 mm- upwards00 mm- downwards10 mm- downwardsRing cable lug connection- at the side6 mm- for main current circuitring terminal lug connection• of auxiliary and control circuitring terminal lug connection• of auxiliary contactsRing cable lug connection <td></td> <td></td>					
upwards10 mm downwards00 mm at the side00 mm at the side10 mm upwards10 mm upwards10 mm upwards10 mm at the side6 mm downwards10 mm dornals10 mmConnections/ Torninals10 mmcontactor for auxiliary contactsRing cable lug connection- of or auxiliary and control circuitRing cable lug connection- of auxiliary contactsRing cable lug connection- of auxiliary and control circuitRing cable lug connection- of auxiliary contactsRing cable lug connection- of auxiliary contact according to SN 3192040 %- of auxiliary contact filters20 o00- of auxiliary contact filters20 a- faluer rate [FI		10 mm			
downwards10 mm at the side0 mm•- forwards10 mm forwards10 mm upwards0 mm at the side6 mm at the side6 mm downwards10 mm forwards10 mm forwards10 mm forwards10 mm forwards10 mm forwards10 mm upwards10 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards10 mm downwardsRing cable lug connection• for main current circuitring terminal lug connection• of auxiliary and control circuitring terminal lug connection• of auxiliary contactsRing cable lug connection• for late tircuitfild terminal lug connection• of auxiliary contactsRing cable lug connection• for late fild to LEC 60947-4-1Yes <td></td> <td>10 mm</td>		10 mm			
at the side0 mm• for grounded parts0 mm forwards10 mm upwards0 mm at the side6 mm downwards10 mm downwards10 mm• for live parts10 mm forwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards0 mm downwards0 mm downwards10 mm downwards6 mm downwards10 mm downwardsRing cable lug connection downwardsRing cable lug connection for auxiliary contactsRing cable lug connection<					
• for grounded partsI 0 mm- forwards10 mm- upwards00 mm- at the side6 mm- downwards10 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- downwards6 mm- downwards6 mm- downwards6 mm- downwards6 mm- at the side6 mmConnections/ TerminalsVpp of electrical connection• for auxiliary and control circuitRing cable lug connection• for auxiliary and control circuitRing cable lug connection• for auxiliary and control circuitRing cable lug connection• of magnet collRing cable lug connection• of magnet collRing cable lug connection• of magnet collRing cable lug connection• miror contact according to EEC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures-• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to EC 60529IP00suitability for use-• safety-related switching OFFYes					
- forwards10 mm- upwards00 mm- at the side6 mm- downwards10 mm- downwards10 mm- forwards10 mm- upwards10 mm- upwards10 mm- at the side6 mmConnections/Terminals0 mmtype of electrical connection• for awailiary and control circuitRing cable lug connection• of magnet coilRing cable lug connectionSafety related data					
		10 mm			
- a the side     6 mm       - downwards     10 mm       • for live parts     -       - upwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - at the side     6 mm       Connections/ Terminals       type of electrical connection       • for auxiliary and control circuit     Ring cable lug connection       • for auxiliary and control circuit     ring terminal lug connection       • of magnet coil     Ring cable lug connection       • mirror contact according to IEC 60947-4					
downwards       10 mm         • for live parts       0 mm         forwards       10 mm         upwards       10 mm         downwards       10 mm         downwards       0 mm         downwards       6 mm         Connections/Terminals       Forminal records         type of electrical connection       Fing cable lug connection         • for main current circuit       ring cable lug connection         • at contact or for auxiliary contacts       Ring cable lug connection         • at contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       40 %         • with low demand rate according to SN 31920					
• for live partsI- forwards10 mm- upwards10 mm- downwards10 mm- at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitRing cable lug connection• for auxiliary and control circuitring terminal lug connection• at contactor for auxiliary contactsRing cable lug connection• of magnet coilRing cable lug connection• of magnet coilRing cable lug connectionSafety related dataVesProduct functionYes• mirror contact according to EC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures40 %• with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to EC 60529100 FITT1 value for proof test interval or service life according to EC 60529IP00suitability for useF00• safety-related switching OFFYes					
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- upwards10 mm- downwards10 mm- at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitRing cable lug connection• for main current circuitring terminal lug connection• for auxiliary and control circuitRing cable lug connection• at contactor for auxiliary contactsRing cable lug connection• of magnet coilRing cable lug connectionSafety related dataFor contact according to IEC 60947-4-1product functionYes• with high demand rate according to SN 31920450 000proportion of dangerous failuresYes• with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to IEC 60529100 FITT1 value for proof test interval or service life according to IEC 605291P00suitability for useIP00• safety-related switching OFFYes		10 mm			
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at the side       6 mm         Connections/Terminals         type of electrical connection         • for main current circuit       Ring cable lug connection         • for auxiliary and control circuit       ring terminal lug connection         • at contactor for auxiliary contacts       Ring cable lug connection         • of magnet coil       Ring cable lug connection         Safety related data       Product function         • mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures       -         • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC 60529       IPO0         suitability for use       -         • safety-related switching OFF       Yes	•				
Connections/ Terminals         type of electrical connection         • for main current circuit         • for auxiliary and control circuit         • for auxiliary and control circuit         • at contactor for auxiliary contacts         • of magnet coil         Safety related data         product function         • mirror contact according to IEC 60947-4-1         Yes         B10 value with high demand rate according to SN 31920         450 000         proportion of dangerous failures         • with high demand rate according to SN 31920         • with high demand rate according to SN 31920         40 %         • with high demand rate according to SN 31920         failure rate [FIT] with low demand rate according to SN 31920         failure rate [FIT] with low demand rate according to IEC 60529         protection class IP on the front according to IEC 60529         iPO0         suitability for use         • safety-related switching OFF					
type of electrical connection       Fing cable lug connection         • for main current circuit       Ring cable lug connection         • for auxiliary and control circuit       ring terminal lug connection         • at contactor for auxiliary contacts       Ring cable lug connection         • of magnet coil       Ring cable lug connection         Safety related data       product function         • mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures       •         • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC 60529       IP00         suitability for use       • safety-related switching OFF       Yes					
• for main current circuitRing cable lug connection• for auxiliary and control circuitring terminal lug connection• at contactor for auxiliary contactsRing cable lug connection• of magnet coilRing cable lug connectionSafety related dataRing cable lug connectionproduct functionYes• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures40 %• with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 60529IPO0suitability for useFoo• safety-related switching OFFYes					
• for auxiliary and control circuitring terminal lug connection• at contactor for auxiliary contactsRing cable lug connection• of magnet coilRing cable lug connectionSafety related dataForduct function• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures•• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6052920 aprotection class IP on the front according to IEC 60529IP00suitability for use• safety-related switching OFF• safety-related switching OFFYes		Ring cable lug connection			
• at contactor for auxiliary contactsRing cable lug connection• of magnet coilRing cable lug connectionSafety related dataproduct functionYes• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6052920 aprotection class IP on the front according to IEC 60529IP00suitability for use • safety-related switching OFFYes					
• of magnet coilRing cable lug connectionSafety related dataproduct function • mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920450 000proportion of dangerous failures • with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6052920 aprotection class IP on the front according to IEC 60529IP00suitability for use • safety-related switching OFFYes					
Safety related data         product function         • mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures       •         • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC 60529       20 a         protection class IP on the front according to IEC 60529       IP00         suitability for use       • safety-related switching OFF         • safety-related switching OFF       Yes	-				
product function          • mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures          • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC 61529       20 a         protection class IP on the front according to IEC 60529       IP00         suitability for use       • safety-related switching OFF         • safety-related switching OFF       Yes	-				
• mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures					
B10 value with high demand rate according to SN 31920       450 000         proportion of dangerous failures	-	Yes			
proportion of dangerous failures       40 %         • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC 61508       20 a         protection class IP on the front according to IEC 60529       IP00         suitability for use       • safety-related switching OFF					
with low demand rate according to SN 31920     with high demand rate according to SN 31920     failure rate [FIT] with low demand rate according to SN 31920     failure rate [FIT] with low demand rate according to SN 31920     100 FIT     T1 value for proof test interval or service life according to IEC     61508     protection class IP on the front according to IEC 60529     IP00     suitability for use         • safety-related switching OFF     Yes					
with high demand rate according to SN 31920 73 % failure rate [FIT] with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00 suitability for use     safety-related switching OFF Yes		40 %			
failure rate [FIT] with low demand rate according to SN 31920       100 FIT         T1 value for proof test interval or service life according to IEC       20 a         61508       IPO0         suitability for use       Ves	-				
T1 value for proof test interval or service life according to IEC       20 a         61508       20 a         protection class IP on the front according to IEC 60529       IP00         suitability for use       vestic bility for use         • safety-related switching OFF       Yes					
suitability for use       • safety-related switching OFF   Yes	T1 value for proof test interval or service life according to IEC				
• safety-related switching OFF Yes	protection class IP on the front according to IEC 60529	IP00			
safety-related switching OFF Yes					
	-	Yes			
General Product Approval					

SA CSA	<u>Confirmation</u>	CCC		<u>KC</u>	EAC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confor	mity	Test Certificates	
RCM	<u>Type Examination Cer-</u> tificate	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> ate	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register us	PRS	RINA
Marine / Shipping	other		Railway	Environment	
RMRS	<u>Confirmation</u>		Vibration and Shock	Environmental Con- firmations	
Further information					
https://press.siemens.r Siemens is working of Please contact your lo EAC relevant market ( Information on the pa https://support.industry	<u>v.siemens.com/cs/ww/en/vie</u> vnloadcenter (Catalogs, E com/ic10	ent EAC certificates. ent EAC certificates. tatus of validity of the EA EAEU member states Rus ew/109813875	C certification if you intend	d to import or offer to supp	ly these products to an

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-4AR60

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027

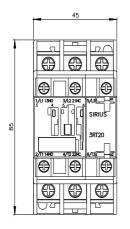
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2027-4AR60&lang=en

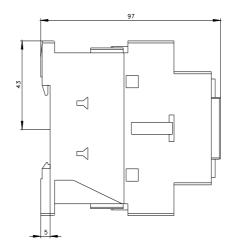
Characteristic: Tripping characteristics, I2t, Let-through current

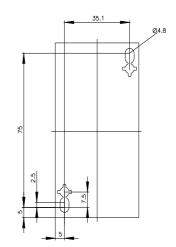
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-4AR60/char

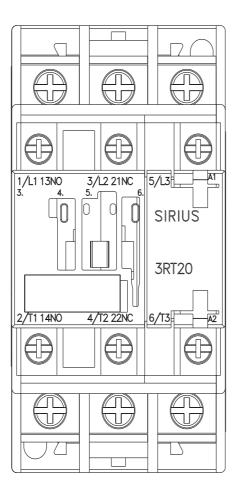
Further characteristics (e.g. electrical endurance, switching frequency)

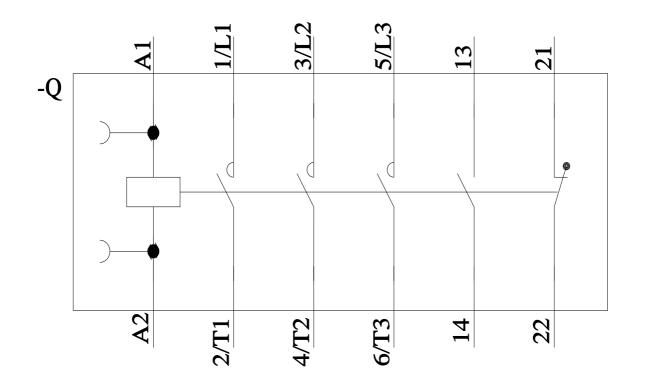
http://www.automation.siem ens.com/bilddb/index.aspx?view= . &mlft 3RT2027-4AR60&objecttype=14&gridview=view1











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