SIEMENS

Data sheet

3RT2023-4AG60



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 100 V AC, 50 Hz / 100-110 V, 60 Hz, auxiliary contacts: 1 NO + 1 NC, ring cable lug connection, size: S0

product brand name SIRUS product designation Power contactor product type designation 3RT2 General technical data S0 product extension No • function module for communication No • auxiliary switch Yes • auxiliary switch 0.6 W • at AC in hot operating state 0.6 W • at AC in hot operating state per pole 0.2 W • without load current share typical 7.9 W insultation voltage 600 V • of main circult with degree of pollution 3 rated value 680 V • of auxiliary circult with degree of pollution 3 rated value 680 V • of auxiliary circult rated value 6 kV • of auxiliary circult rated value 6 kV • of auxiliary circult rated value 6 kV • of auxiliary switch is polyton 7.5 g / 5 ms, 4.7g / 10 ms mechanical service life (operating cycles) 10 000 000 • of the contactor with added auxiling y witch block typical 10 000 000 • of the contactor with added auxiling y witch block typical 10 000 000 • of the contactor with		
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• during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit	ambient temperature	
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relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum 95 % Main circuit 95 %	during storage	-55 +80 °C
Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

number of NO contacts for main contacts	3
	3
 operating voltage at AC-3 rated value maximum 	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	40 A
value	
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	9 A
— at 690 V rated value	9 A
• at AC-3e	
— at 400 V rated value	9 A
— at 500 V rated value	9 A
— at 690 V rated value	9 A
at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	7.4 A
● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	11.4 A
— up to 400 V for current peak value n=20 rated value	11.4 A
— up to 500 V for current peak value n=20 rated value	9.1 A
— up to 690 V for current peak value n=20 rated value	9 A
● at AC-6a	
— up to 230 V for current peak value n=30 rated value	7.6 A
 — up to 400 V for current peak value n=30 rated value 	7.6 A
 — up to 500 V for current peak value n=30 rated value 	6.1 A
 — up to 690 V for current peak value n=30 rated value 	6.1 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²
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	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
with 3 current paths in series at DC-1	05 A
— 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
 with 2 current paths in series at DC-3 at DC-5 	
— 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
 with 3 current paths in series at DC-3 at DC-5 	
— 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	2.2 kW
— at 400 V rated value	4 kW
— at 500 V rated value	4 kW
— at 690 V rated value	7.5 kW
• at AC-3e	
— at 230 V rated value	2.2 kW
— at 400 V rated value	4 kW
— at 500 V rated value	4 kW
— at 690 V rated value	7.5 kW
operating power for approx. 200000 operating cycles at AC-	
4 ● at 400 V rated value	2 kW
at 400 V rated value at 690 V rated value	2.5 kW
operating apparent power at AC-6a	2.5 KW
up to 230 V for current peak value n=20 rated value	4.5 kVA
• up to 400 V for current peak value n=20 rated value	7.8 kVA
• up to 500 V for current peak value n=20 rated value	7.8 KVA
• up to 690 V for current peak value n=20 rated value	10.7 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	3 kVA
• up to 400 V for current peak value n=30 rated value	5.2 kVA
• up to 500 V for current peak value n=30 rated value	5.2 KVA
• up to 690 V for current peak value n=30 rated value	7.2 KVA
short-time withstand current in cold operating state up to	
40 °C	
 limited to 1 s switching at zero current maximum 	170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	170 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	140 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	104 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	88 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	1 000 1/h
• at AC-3 maximum	1 000 1/h
• at AC-3e maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
- • • • •	

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control supply voltage at AC	
• at 50 Hz rated value	100 V
at 60 Hz rated value	110 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	68 VA
• at 60 Hz	67 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	7.9 VA
• at 60 Hz	6.5 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	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	1A
at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	10 A
at 24 V rated value at 48 V rated value	2 A
at 40 V rated value at 60 V rated value	2 A 2 A
at 60 V rated value at 110 V rated value	1 A
at 110 V rated value at 125 V rated value	0.9 A
at 125 V rated value at 220 V rated value	0.3 A
	0.3 A 0.1 A
at 600 V rated value	
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	7.6 A
at 600 V rated value	9 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
 for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 	1 hp 1 hp

 	for 3-phase AC motor				
	•	2 hn			
contact-carting of auditary contacts according to UL A600 / P600 Sinot-carult protocolism of the main circuit		•			
Short-circuit protection design of the fuse link					
design of the face link or short-circuit protocol of the main circuit gG: 63A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 63A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (690V, 100xA), BS88: 25A (415V, 80xA) gG: 25A (690V, 100xA), abl: 32A (6					
for short-circuit protection of the main circuit					
- with type of casdignment 2 required - with type of assignment 2 required G: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), abl: 22A (690V, 100A), BSBE: 53A (415V, 80A) gC: 52A (690V, 100A), BSBE: 53A (415V, 80A), BSBE: 53A (415V,	-				
- with type of assignment 2 required • for short-circuit protection of the audial y switch required • for short-circuit protection of the audial y switch required mutiling position * 180° rotation possible on vertical mounting surface; can be tilled forward before the source of the audial y switch required * 180° rotation possible on vertical mounting surface; can be tilled forward before the source of the audial y switch required * 180° rotation possible on vertical mounting surface; can be tilled forward before on the source of t		aG: 63A (690V 100kA) aM: 32A (690V 100kA) BS88: 63A (415V 80kA)			
• do short-drout protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation mounting dimensions +/180° rotation possible on vertical mounting surface; can be tilted forward backward by 4/2 2.5° on vertical mounting surface; fistening method screw and snap-on mounting onto 35 mm DIN reli according to DIN EN 607 • side-by-side mounting Yes height 45 mm width 45 mm depth 97 mm required spacing 10 mm • with side-by-side mounting 10 mm - downwards					
Installation/ mounting voltimensions +180° rotation possible on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical mounting surface; can be tilted forward backward by +/.22.5° on vertical can be the total to control tork in rior contact according to IEC 60947.4-1 Vps of dectrical onnection in or contact according to IEC 60947.4-1 Yes B10 value with high demand rate according to ISN 31920 or inform contact according to IEC					
mounting position +160° rotation possible on vertical mounting surface: can be tilted forward backward by +/-22.5° on vertical mounting surface: can be tilted forward backward by +/-22.5° on vertical mounting surface: can be tilted forward serve and snap-on mounting onto 35 mm DIN rail according to DIN EN 607 • side-by-side mounting Yes height 85 mm vidth 45 mm depth 97 mm required spacing 0 mm • with side-by-side mounting - - forwards 10 mm - downwards					
• side-by-side mounting Yes height 85 mm width 45 mm depth 97 mm required spacing 97 mm • with side by-side mounting 10 mm - qowards 10 mm - dowards 10 mm - dowards 10 mm - dowards 10 mm - dowards 0 mm - dowards 10 mm - dowards 10 mm - at the side 0 mm - upwards 10 mm - downwards 10 mm - downards 10 mm <td></td> <td>+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface</td>		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface			
height 86 mm width 45 mm depth 97 mm required spacing 97 mm • with side-by-side mounting 10 mm - upwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 0 mm - downwards 10 mm - downwards <td< td=""><td>fastening method</td><td>screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715</td></td<>	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715			
with 45 mm depth 97 mm required spacing - - forwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - for argounded parts - - forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts - - for vards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for live parts - - for wards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - of wards 10 mm - of wards 10 mm <td> side-by-side mounting </td> <td>Yes</td>	 side-by-side mounting 	Yes			
depth 97 mm required spacing	height	85 mm			
required spacing • with side-by-side mounting - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm • for grounded parts 0 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 0 mm - upwards 10 mm - upwards 10 mm - downwards 10	width	45 mm			
• with side-by-side mounting 10 mm - forwards 10 mm - upwards 10 mm - upwards 0 mm - at the side 0 mm • for grounded parts - - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 0 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm <t< td=""><td>depth</td><td>97 mm</td></t<>	depth	97 mm			
forwards 10 mm upwards 10 mm downwards 10 mm downwards 0 mm at the side 0 mm for grounded parts forwards 10 mm upwards 0 mm at the side 6 mm downwards 10 mm upwards 10 mm upwards 10 mm downwards 10 mm	required spacing				
upwards10 mm downwards00 mm at the side0 mm for wards10 mm upwards10 mm upwards10 mm at the side6 mm downwards10 mm at the side6 mm downwards10 mm downwardsRing cable lug connection for axiliary and control circuitring terminal lug connection for axiliary and control circuitRing cable lug connection for axiliary and control circuitRing cable lug connection for walds	• with side-by-side mounting				
	— forwards	10 mm			
at the side0 mm• for grounded parts0 mm forwards10 mm upwards0 mm at the side6 mm downwards10 mm downwards10 mm for live parts forwards10 mm upwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards10 mm downwards6 mm downwards6 mm downwards10 mm downwardsRing cable lug connection+ of rauxiliary contactsRing cable lug connection+ of rauxilia	— upwards	10 mm			
• for grounded parts·- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- at the side6 mmStafey related ataRing cable lug connection• of magnet coiltracter for auxiliary contacts• nimor contact according to EC 60947-4-1Yes• nimor contact according to SN 3192040 %• with high demand rate according to SN 3192073 %• nimor contact according to SN 31920100 FIT• vith high demand rate according to SN 3192020 a• failure rate [FIT]	— downwards	10 mm			
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 0 mm - forwards 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 10 mm - downwards Ring cable lug connection - et downard rownwards Ring cable lug connection - et downard rownwards 10 song cable lug connection - mirror contact accord	— at the side	0 mm			
upwards10 mm at the side6 mm downwards10 mm• for live parts10 mm forwards10 mm upwards10 mm upwards10 mm upwards10 mm at the side6 mmConnections/TerminalsType of electrical connection• for main current circuitRing cable lug connection• for auxiliary ontactsRing cable lug connection• for auxiliary contactsRing cable lug connection• for magnet coilRing cable lug connectionSafety related dataYesProduct function450 000• 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 FIT1 value for proof test interval or service life according to IEC 60529Proosuitability for use• acately-related switching OFFYes• safety-related switching OFFYesCertificates/ approvalsYes	 for grounded parts 				
at the side 6 mm downwards 10 mm • for live parts 10 mm forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm Connections// Terminal for main current circuit if or auxiliary and control circuit ring terminal lug connection if or auxiliary and control circuit Ring cable lug connection if or auxiliary and control circuit Ring cable lug connection Safety related data 10 mm product function 10 mm initror contact according to SN 31920 450 000 propertion of dangerous fai	— forwards	10 mm			
downwards 10 mm • for live parts - forwards 10 mm upwards 10 mm downwards 10 mm downwards 0 mm downwards Fill downwards Ring cable lug connection for auxiliary contacts Ring cable lug connection of magnet coil Ring cable lug connection of magnet coil Safety related data Product function	— upwards	10 mm			
• for live parts 0 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connection// Terminals Uppe 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 • at contactor for auxiliary contacts Ring cable lug connection • at contactor for auxiliary contacts Ring cable lug connection • at contact or for auxiliary contacts Ring cable lug connection • at contact or for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • at contact for auxiliary contacts Ring cable lug connection • mintror contact	— at the side	6 mm			
forwards 10 mm upwards 10 mm downwards 10 mm 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 • 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 100 FIT T1 value for proof test interval or service life according to IEC 60529 IP00 suitability for use - • safety-related switching OFF Yes Certificates/ approvals	— downwards	10 mm			
- upwards 10 mm - downwards 10 mm - 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 • 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 450 000 • 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 IEC 60529 IP00 suitability for use 20 a • safety-related switching OFF Yes Certificates/ approvals Yes	 for live parts 				
- downwards 10 mm - 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 • 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 IEC 60529 IP00 suitability for use - • safety-related switching OFF Yes Certificates/ approvals	— forwards	10 mm			
at the side 6 mm Connections/ Terminals Figure 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 • 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 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 Certificates/ approvals Yes	— upwards	10 mm			
Connections/ Terminals type of electrical connection • for main current 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 + with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 istability for use • safety-related switching OFF Yes Certificates/ approvals	— downwards	10 mm			
type of electrical connection Ring 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 Certificates/ approvals Yes	— at the side	6 mm			
• 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 dataproduct function• mirror contact according to IEC 60947-4-1• mirror contact according to SN 31920450 000proportion of dangerous failures450 000• with low demand rate according to SN 3192040 %• 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 60529IP00suitability for use20 a• safety-related switching OFFYesCertificates/ approvals	Connections/ Terminals				
• 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 Yes B 10 value with high demand rate according to SN 31920 450 000 proportion of dangerous failures 40 % • with low 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 IP00 suitability for use Yes e safety-related switching OFF Yes	type of electrical connection				
• at contactor for auxiliary contactsRing cable lug connection• 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 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 60529IP00suitability for use • safety-related switching OFFYesCertificates/ approvalsYes	for main current circuit	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 auxiliary and control circuit 	ring terminal lug connection			
Safety related data product function Yes B10 value with high demand rate according to SN 31920 450 000 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 60529 IP00 suitability for use • safety-related switching OFF • safety-related switching OFF Yes	 at contactor for auxiliary contacts 	Ring cable lug connection			
product function Yes B10 value with high demand rate according to SN 31920 450 000 proportion of dangerous failures 450 000 • 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 60529 20 a protection class IP on the front according to IEC 60529 IP00 suitability for use Yes • safety-related switching OFF Yes	of magnet coil	Ring cable lug connection			
• 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	Safety related data				
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 61508 20 a protection class IP on the front according to IEC 60529 IP00 suitability for use - • safety-related switching OFF Yes Certificates/ approvals -	product function				
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 • safety-related switching OFF Yes	 mirror contact according to IEC 60947-4-1 	Yes			
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 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 Certificates/ approvals	B10 value with high demand rate according to SN 31920	450 000			
with high 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 Certificates/ approvals	proportion of dangerous failures				
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 IP00 suitability for use Ves • safety-related switching OFF Yes	 with low demand rate according to SN 31920 	40 %			
T1 value for proof test interval or service life according to IEC 20 a 61508 Protection class IP on the front according to IEC 60529 IP00 suitability for use • safety-related switching OFF Yes Certificates/ approvals Ves		73 %			
61508 IP00 suitability for use IP00 • safety-related switching OFF Yes Certificates/ approvals Yes		100 FIT			
suitability for use • safety-related switching OFF Yes	61508				
• safety-related switching OFF Yes Certificates/ approvals		IP00			
Certificates/ approvals	-				
		Yes			
Conorol Broduct Approval	Certificates/ approvals				
General Frouuct Approval	General Product Approval				

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

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2023-4AG60

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2023-4AG60

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-4AG60

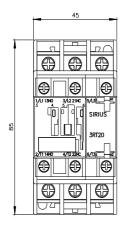
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2023-4AG60&lang=en

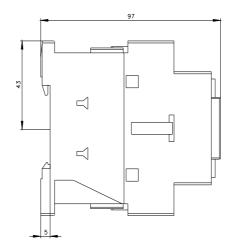
Characteristic: Tripping characteristics, I2t, Let-through current

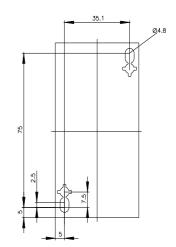
https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-4AG60/char

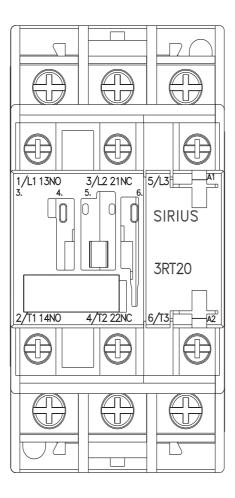
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siem ens.com/bilddb/index.aspx?view= h&mlft











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2/10/2023 🖸