## **SIEMENS**

Data sheet 3RT2023-1AB00



power contactor, AC-3 9 A, 4 kW / 400 V 1 NO + 1 NC, 24 V AC, 50 Hz 3-pole, Size S0 screw terminal

product designation product type designation  General technical data	Power contactor 3RT2
General technical data	3RT2
size of contactor	
size of contactor	S0
product extension	
function module for communication	No
auxiliary switch	Yes
power loss [W] for rated value of the current at AC in hot operating state	1.2 W
• per pole	0.4 W
power loss [W] for rated value of the current without load current share typical	7.6 W
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	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 acc. to IEC 81346-2	Q
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-25 +60 °C
ambient temperature during storage	-55 +80 °C
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
operational current	

<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> <li>at AC-1</li> </ul>	40 A
— up to 690 V at ambient temperature 40 °C	40 A
rated value — up to 690 V at ambient temperature 60 °C	35 A
rated value	
• at AC-3	0.4
— 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
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	9.1 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	9 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	6.1 A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	6.1 A
value	
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4	
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value	4.1 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4	
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current	4.1 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current • at 1 current path at DC-1	4.1 A 3.3 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value	4.1 A 3.3 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value	4.1 A 3.3 A 35 A 4.5 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A 0.25 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A 0.25 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  • at 24 V rated value  • with 2 rated value  • at 24 V rated value  — at 24 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  • at 110 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  • at 110 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 140 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A 35 A 4.5 A 1 A 0.4 A 0.25 A 35 A 35 A 5 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 4 A 1 A 0.8 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 35 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 200 V rated value  — at 24 V rated value  — at 200 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 24 V rated value  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 5 A 1 A 0.8 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 240 V rated value  — at 240 V rated value  — at 240 V rated value  — at 440 V rated value  — at 24 V rated value  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 220 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 35 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 24 V rated value  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 2.9 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 110 V rated value  — at 24 V rated value  — at 440 V rated value  — at 220 V rated value  — at 220 V rated value  — at 440 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 35 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 110 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 10 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 2.9 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 220 V rated value  — at 440 V rated value  — at 440 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 2.9 A 1.4 A
minimum cross-section in main circuit at maximum AC-1 rated value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 110 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 110 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 10 V rated value  — at 110 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A  35 A 4.5 A 1 A 0.4 A 0.25 A  35 A 35 A 35 A 35 A 35 A 2.9 A



at 50 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC     at 50 Hz  apparent pick-up power of magnet coil at AC     at 50 Hz	0.8 1.1 65 V·A
at 50 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC     at 50 Hz	
at 50 Hz rated value  operating range factor control supply voltage rated value of magnet coil at AC	
at 50 Hz rated value	
	/ <del></del>
CONTROL SUDDIV VOHADE AL AC	24 V
type of voltage of the control supply voltage  control supply voltage at AC	AC
	AC
at AC-4 maximum  Control circuit/ Control	300 1/11
at AC-3 maximum     at AC-4 maximum	300 1/h
<ul><li>at AC-2 maximum</li><li>at AC-3 maximum</li></ul>	1 000 1/h 1 000 1/h
• at AC-1 maximum	1 000 1/h
operating frequency	1,000,1/b
• at AC	5 000 1/h
no-load switching frequency	5 000 4 11
Iimited to 60 s switching at zero current maximum	68 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	78 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	122 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum     limited to 10 s switching at zero current maximum	170 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 1 s switching at zero current maximum	170 A; Use minimum cross-section acc. to AC-1 rated value
up to 40 °C	470 A. Hao minimum areas
short-time withstand current in cold operating state	
• up to 690 V for current peak value n=30 rated value	7.2 kV·A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	5.2 kV·A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	5.2 kV·A
up to 230 V for current peak value n=30 rated value	3 kV·A
operating apparent power at AC-6a	
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	10.7 kV·A
up to 500 V for current peak value n=20 rated value	7.8 kV·A
• up to 400 V for current peak value n=20 rated value	7.8 kV·A
• up to 230 V for current peak value n=20 rated value	4.5 kV·A
operating apparent power at AC-6a	
at 690 V rated value	2.5 kW
at 400 V rated value	2 kW
at AC-4	
operating power for approx. 200000 operating cycles	T.O.KIT
— at 690 V rated value	7.5 kW
— at 500 V rated value	4 kW
— at 400 V rated value	4 kW
— at 230 V rated value	2.2 kW
• at AC-3	
operating power	V.U.N.
— at 440 V rated value  — at 600 V rated value	0.6 A
— at 220 V rated value — at 440 V rated value	10 A 0.6 A
— at 110 V rated value	
	35 A
— at 24 V rated value	35 A
<ul> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	0.10 A
— at 440 V rated value  — at 600 V rated value	0.16 A
— at 440 V rated value  — at 440 V rated value	0.27 A
— at 110 V rated value  — at 220 V rated value	3 A
— at 110 V rated value	15 A
— at 24 V rated value	35 A
with 2 current paths in series at DC-3 at DC-5	0.00 A
— at 440 V rated value  — at 600 V rated value	0.09 A 0.06 A
— at 440 V rated value	0.09 A
	1 A



● at 50 Hz	0.82
apparent holding power of magnet coil at AC	
● at 50 Hz	7.6 V·A
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
closing delay	V.—V
• at AC	9 38 ms
opening delay	- III 00 III0
• 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	1
instantaneous contact	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	10 A
<ul> <li>at 400 V rated value</li> </ul>	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	1A
at 600 V rated value	0.15 A
operational current at DC-13	0.13 A
• 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	
<ul> <li>at 480 V rated value</li> </ul>	7.6 A
at 600 V rated value	9 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1 hp
— at 230 V rated value	1 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
<ul> <li>at 200/208 V rated value</li> </ul>	2 hp
<ul> <li>at 220/230 V rated value</li> </ul>	3 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	7.5 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
7,F	5 (2000), 2000 ()



### A 180" rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on vertical mounting surface; and backward by -/- 22.5" on mm  ### A 10 mm  ### A 20 mm  ###	stallation/ mounting/ dimensions	
eside-by-side mounting	3	
height width 45 mm depth 97 mm required spacing  • with side-by-side mounting — forwards 10 mm — downwards 10 mm — at the side 0 nm — in with side 6 mm — ownwards 10 ownwards 10 mm — ownwards 1	astening method	
depth depth 97 mm  required spacing  • with side-by-side mounting  - forwards - upwards - or for grounded parts - for grounded parts - upwards - depth side - downwards - upwards - downwards - upwards - downwards - downwards - downwards - for live parts - forwards - downwards - at the side - downwards - downwards - downwards - downwards - at the side - for min contactor - for main current circuit - for auxiliary and control circuit - so connectable conductor cross-sections - for min contacts - solid - solid or stranded - finely stranded with core end processing - stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for auxiliary contact	<ul><li>side-by-side mounting</li></ul>	Yes
depth         97 mm           equired spacing         ewith side by-yide mounting           — forwards         10 mm           — upwards         10 mm           — at the side         0 mm           • for grounded parts         10 mm           — forwards         10 mm           — upwards         10 mm           — at the side         6 mm           — downwards         10 mm           • for live parts         10 mm           — upwards         10 mm           — downwards         10 mm           — for main current circuit         screw-type terminals           • at contactor for auxiliary contacts         screw-type terminals           • of maxiliary and control circuit         screw-type terminals           • of magnet coil         screw-type terminals           yee of electrical connectable conductor cross-sections         screw-type terminals           • of maxiliary and control circuit         screw-type terminals	neight	85 mm
equired spacing  • with side-by-side mounting  — forwards — upwards — at the side • for grounded parts — forwards — upwards — onwards — on mm  • for main current circuit • of rauxiliary and control circuit • of rauxiliary and control circuit • of rauxiliary and control circuit • of magnet coil  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts — solid • stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • AWG number as coded connectable conductor cross-section for main contacts • AWG number as coded connectable conductor cross-section for main contacts • AWG number as coded connectable conductor cross-section for main contacts • AWG number as coded connectable conductor cross-section for main contacts • AWG number as coded connectable conductor cross-section for main contacts • AWG number as coded connectable conductor cross-sections • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts	vidth	45 mm
with side-by-side mounting  - forwards - upwards - at the side of grounded parts - forwards - upwards - downwards - upwards - forwards - upwards - downwards - upwards - downwards - upwards - downwards - for live parts - forwards - downwards - downwards - downwards - downwards - downwards - for main current circuit - for awiliary and control circuit - for awiliary and control circuit - for acwiliary contacts - solid - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid - finely stranded with core end processing - for wall for stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - for acwiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for acwiliary contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contac	lepth	97 mm
- forwards - upwards - downwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards - downwards - downwards - for live parts - forwards - upwards - downwards - downwards - upwards - downwards - for an in current circuit - for auxiliary and control circuit - of auxiliary and control circuit - at contactor for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing - sinely stranded with core end processing - sonnectable conductor cross-sections - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - at AWO cabbles for auxiliary contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable conductor cross-section for main contacts - AWO number as coded connectable	equired spacing	
- upwards - downwards - downwards - downwards - for grounded parts - forwards - upwards - upwards - downwards - downwards - for wards - downwards - for live parts - forwards - upwards - forwards - upwards - downwards - upwards - downwards - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary and control circuit - for for main current circuit - for auxiliary and control circuit - solid contactor for auxiliary contacts - solid - solid contactor conductor cross-sections - for main contacts - solid - finely stranded with core end processing - at AWG cables for main contacts - solid - siranded - finely stranded with core end processing - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connect	<ul><li>with side-by-side mounting</li></ul>	
- downwards - at the side - for grounded parts - forwards - upwards - upwards - at the side - downwards - upwards - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - for live parts - forwards - upwards - downwards - downwards - downwards - downwards - at the side - for minimals  ype of electrical connection - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary and control circuit - solid or stranded - solid or stranded - finely stranded with core end processing - at AWC sables for main contacts - solid - solid or stranded - finely stranded with core end processing - at AWC cables for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWC cables for auxiliary contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor - AWG number as coded connectable conductor	— forwards	10 mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards - downwards • for live parts - forwards - upwards - forwards - upwards - downwards • for live parts - forwards - upwards - downwards - downw	— upwards	10 mm
• for grounded parts  — forwards — upwards — at the side — downwards • for live parts — forwards — 10 mm  • for live parts — forwards — 10 mm  • for live parts — forwards — upwards — downwards — 10 mm  — downwards — 10 mm — downwards — at the side — formain control circuit — of a main contact of ror auxiliary contacts — of main contacts — solid — solid or stranded — finely stranded with core end processing — sholl or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — at AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing — at AWG number as coded connectable conductor cross-section for main contacts — AWG number as coded connectable conductor  - AWG number as coded connectable conductor  - AWG number as coded connectable conductor  - AWG number as coded connectable conductor	— downwards	10 mm
- forwards - upwards - at the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - for live parts - forwards - upwards - downwards - downwards - at the side - for unitalized and connection - for main current circuit - for auxiliary and control circuit - at contactor for auxiliary contacts - of magnet coil - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid - solid or stranded - finely stranded with core end processing - sinely stranded with core end processing - sinely stranded with core end processing - sinely stranded with core end processing - finely stranded with core end processing - at AWG cables for auxiliary contacts - AWG number as coded connectable conductor cross-section for main contacts - AWG number as coded connectable conductor	— at the side	0 mm
- upwards - at the side - downwards • for live parts - forwards - upwards - downwards - upwards - downwards - at the side - for main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end pro	for grounded parts	
- at the side    - downwards    - for live parts    - forwards    - upwards    - upwards    - upwards    - downwards    - downwards    - downwards    - downwards    - at the side    - domnections/ Terminals  ype of electrical connection    - for main current circuit    - for auxillary and control circuit    - at contactor for auxillary contacts    - of magnet coil    - solid or stranded    - finely stranded with core end processing    - at AWG cables for main contacts    - solid    - stranded    - finely stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - solid or stranded    - finely stranded with core end processing    - solid or stranded    - soli	— forwards	10 mm
- downwards • for live parts - forwards - upwards - downwards - downwards - downwards - downwards - downwards - at the side - at contactor for auxiliary and control circuit - at contactor for auxiliary contacts - a solid - a solid or stranded - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - solid - stranded - finely stranded with core end processing - stranded - finely stranded with core end processing - finely stranded with core end processing - solid or stranded - solid or stranded - solid o	— upwards	10 mm
• for live parts  — forwards — upwards — downwards — at the side — at the side — formactions/ Terminals  ype of electrical connection • for main current circuit • at contactor for auxiliary contacts • of magnet coil — solid — solid or stranded — finely stranded with core end processing • finely stranded with core end processing • finely stranded • finely stranded • finely stranded • finely stranded with core end processing • for auxiliary contacts  • solid • finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  - AWG number as coded connectable conductor cross-section for main contacts  - AWG number as coded connectable conductor - Conn	— at the side	6 mm
- forwards - upwards - 10 mm - 10 mm - 10 mm - 20 mm -	— downwards	10 mm
- upwards - downwards - at the side - for main current circuit - at contactor for auxiliary contacts - at contactor for auxiliary contacts - at contactor for auxiliary contacts - of magnet coil - solid -	for live parts	
- downwards — at the side 6 mm  connections/ Terminals  ype of electrical connection  • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  ype of connectable conductor cross-sections • for main contacts  - solid - solid or stranded - finely stranded with core end processing • stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded - finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded - finely stranded with core end processing • solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor	— forwards	10 mm
- at the side  connections/ Terminals  type of electrical connection  • for main current circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections • for main contacts  - solid - solid or stranded - finely stranded with core end processing • stranded • finely stranded with core end processing • solid - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stran	— upwards	10 mm
somections/ Terminals  type of electrical connection  • for main current circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections  • for main contacts  — solid  — solid or stranded — finely stranded with core end processing  • solid or stranded  • stranded • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded  • finely stranded with core end processing  • at AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor	— downwards	10 mm
Pype of electrical connection  • for main current circuit  • for auxiliary and control circuit  • at contactor for auxiliary contacts  • of magnet coil  Screw-type terminals  2x (1 2.5 mm²), 2x (2.5 10 mm²), 1x 10 mm²  1 10 mm²  1 10 mm²  1 10 mm²  2 10 mm²  2 10 mm²  2 10 mm	— at the side	6 mm
• for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • of	onnections/ Terminals	
• for auxiliary and control circuit     • at contactor for auxiliary contacts     • of magnet coil  Screw-type terminals  Screw	ype of electrical connection	
• for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil  type of connectable conductor cross-sections • for main contacts  — solid — solid or stranded with core end processing • stranded • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded • finely stranded with core end processing • solid or stranded • finely stranded • finely stranded • finely stranded with core end processing • solid or stranded • finely	for main current circuit	screw-type terminals
• at contactor for auxiliary contacts • of magnet coil  Screw-type terminals  Screw-type 1  2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²  1 10 mm²  1 10 mm²  2 10 mm²  2 10 mm²  2 10 mm²  2 1	for auxiliary and control circuit	
of magnet coil      spee of connectable conductor cross-sections     of main contacts         — solid         — solid or stranded         — finely stranded with core end processing     ostranded     ostrande	-	
eype of connectable conductor cross-sections  • for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts • AWG number as coded connectable conductor	-	
- solid		
- solid or stranded - finely stranded with core end processing  • at AWG cables for main contacts  • aconnectable conductor cross-section for main contacts  • solid • stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor  - solid or main contacts  • AWG number as coded connectable conductor  - solid or stranded - finely stranded with core end processing - solid or stranded - solid or stra	for main contacts	
- solid or stranded - finely stranded with core end processing  • at AWG cables for main contacts  • solid • stranded • finely stranded with core end processing • stranded • finely stranded with core end processing • solid • stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • AWG cables for auxiliary contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor  2x (1 2,5 mm²), 2x (2,5 6 mm²), 1x 10 mm²  1 10 mm²  1 10 mm²  2 10 mm²  2 2.5 mm²  2 2.5 mm²  2 2.5 mm²  2 2.5 mm²  2 1,5 mm²), 2x (0,75 2,5 mm²)  2 x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)  2 x (20 16), 2x (18 14)  16 8	— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
<ul> <li>— finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>b solid</li> <li>b stranded</li> <li>connectable conductor cross-section for main contacts</li> <li>stranded</li> <li>b finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>b solid or stranded</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>b solid or stranded</li> <li>connectable conductor cross-sections</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross-section for main contacts</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>at AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>at AWG number as coded connectable conductor&lt;</li></ul>	— solid or stranded	
<ul> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> &lt;</ul>		
econnectable conductor cross-section for main contacts  • solid • stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • AWG number as coded connectable conductor cross section for main contacts • 20 14	-	
<ul> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>at AWG number as coded connectable conductor</li> </ul>		
<ul> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)</li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> </ul>		1 10 mm²
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> </ul>		
connectable conductor cross-section for auxiliary contacts  • solid or stranded • finely stranded with core end processing  • por auxiliary contacts  • solid or stranded • for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing  • at AWG cables for auxiliary contacts  • AWG number as coded connectable conductor cross section for main contacts  • AWG number as coded connectable conductor  cross section for main contacts  • AWG number as coded connectable conductor  cross section for main contacts  • AWG number as coded connectable conductor  20 14		
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>30.5 2.5 mm²</li> <li>2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)</li> <li>2x (20 16), 2x (18 14)</li> <li>16 8</li> <li>20 14</li> </ul>	connectable conductor cross-section for auxiliary	
<ul> <li>finely stranded with core end processing</li> <li>ype of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• at AWG cables for auxiliary contacts</li> <li>• AWG number as coded connectable conductor cross section for main contacts</li> <li>• AWG number as coded connectable conductor</li> </ul>	solid or stranded	0.5 2.5 mm <sup>2</sup>
<ul> <li>ype of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²)</li> <li>2x (20 16), 2x (18 14)</li> <li>16 8</li> <li>20 14</li> </ul>	finely stranded with core end processing	
<ul> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> </ul>		
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>• at AWG cables for auxiliary contacts</li> <li>• AWG number as coded connectable conductor cross section for main contacts</li> <li>• AWG number as coded connectable conductor</li> </ul>		
<ul> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> </ul>	-	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section for main contacts</li> <li>AWG number as coded connectable conductor</li> <li>AWG number as coded connectable conductor</li> <li>2x (20 16), 2x (18 14)</li> <li>16 8</li> <li>20 14</li> </ul>	<ul> <li>finely stranded with core end processing</li> </ul>	
AWG number as coded connectable conductor cross section for main contacts      AWG number as coded connectable conductor 20 14		
AWG number as coded connectable conductor     20 14	AWG number as coded connectable conductor	



proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	73 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
product function	
<ul><li>mirror contact acc. to IEC 60947-4-1</li></ul>	Yes
T1 value for proof test interval or service life acc. to IEC 61508	20 y
protection class IP on the front acc. to IEC 60529	IP20
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front
suitability for use safety-related switching OFF	Yes

Certificates/ approvals

**General Product Approval** 

**EMC** 













**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping

**Miscellaneous** 



Type Test **Certificates/Test** Report

**Special Test Certificate** 





Marine / Shipping









Confirmation

other



other

Confirmation

## **Further information**

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2023-1AB00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2023-1AB00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AB00

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

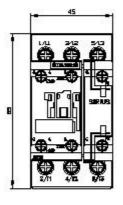
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2023-1AB00&lang=en

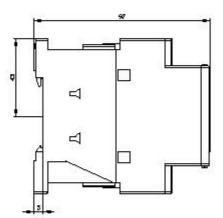
Characteristic: Tripping characteristics, I2t, Let-through current

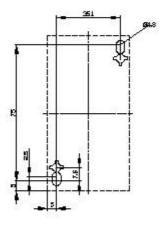
https://support.industry.siemens.com/cs/ww/en/ps/3RT2023-1AB00/char

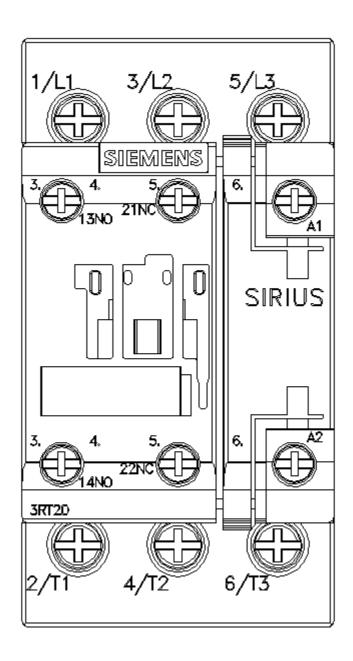
Further characteristics (e.g. electrical endurance, switching frequency) <a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2023-1AB00&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2023-1AB00&objecttype=14&gridview=view1</a>

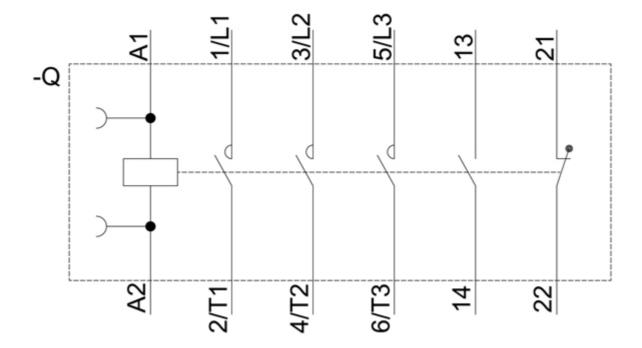












last modified: 12/15/2020 🖸