SIEMENS

Data sheet

3RT2326-1AN20



Contactor, AC-1, 40 A/400 V/40 $^\circ\text{C},$ S0, 4-pole, 220 V AC, 50/60 Hz, 1 NO+1 NC, screw terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT23
General technical data	
size of contactor	SO
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 	9.6 W
 at AC in hot operating state per pole 	2.4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of the auxiliary and control circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	6 kV
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
 of contactor typical 	10 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	

• at AC-1 at 400 V at ambient temperature 40 °C rated value	40 A
 at AC-1 up to 690 V at ambient temperature 40 °C rated value 	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	15.5 A
• at AC-4 at 400 V rated value	15.5 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²
operating power	
• at AC-3 at 400 V rated value	7.5 kW
• at AC-4 at 400 V rated value	7.5 kW
short-time withstand current in cold operating state up to 40 °C	Les minimum areas sostion ass, to AC 1 rated value
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value 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 	Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum 	Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	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
Control circuit/ Control	
type of voltage	AC
type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	220 V
at 60 Hz rated value	220 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
• at 60 Hz	0.74
apparent holding power of magnet coil at AC	
• at 50 Hz	10.5 VA
at 60 Hz inductive power factor with the holding power of the	8.5 VA
coil	
• at 50 Hz	0.25
• at 60 Hz	0.00
ologing dolay	0.28
closing delay	
• at AC	0.28 8 40 ms
• at AC opening delay	8 40 ms
• at AC opening delay • at AC	8 40 ms 4 16 ms
at AC opening delay e at AC arcing time	8 40 ms 4 16 ms 10 10 ms
at AC opening delay • at AC arcing time control version of the switch operating mechanism	8 40 ms 4 16 ms 10 10 ms
at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit	8 40 ms 4 16 ms 10 10 ms Standard A1 - A2
• at AC opening delay • at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	8 40 ms 4 16 ms 10 10 ms Standard A1 - A2
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at AC opening delay at AC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts attachable e instantaneous contact	8 40 ms 4 16 ms 10 10 ms Standard A1 - A2 1 2 1

operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 3 A • at 400 V rated value 2 A • at 690 V rated value 10 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 25 V rated value 10 A • at 2600 V rated value 10 A • at 260 V rated value 10 A • at 20 V rated value 10 A • at 10 V rated value 10 A • at 125 V rated value 0.9 A • at 125 V rated value 0.9 A • at 200 V rated value 0.1 A gG: 10 A (230 V, 400 A) gG: 10 A (230 V, 400 A) gG: 10 A (230 V, 400 A) gG: 63 A (690 V, 100 kA) gG: 63 A (690 V, 100 kA)<	operational current at AC-15 10 A • at 230 V rated value 10 A • at 400 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 10 A • at 42 V rated value 6 A • at 43 V rated value 6 A • at 44 V rated value 6 A • at 100 V rated value 6 A • at 100 V rated value 1 A • at 25 V rated value 1 A • at 200 V rated value 1 A • at 200 V rated value 1 A • at 200 V rated value 0.15 A opperational current at DC-13 0.4 2 V rated value • at 42 V rated value 0.4 A • at 200 V rated value 0.9 A • at 220 V rated value 0.9 A • at 220 V rated value 0.1 A • at 220 V rated value 0.1 A • at 220 V rated value 0.1 A ortat criating of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Contact rating of auxiliary contacts accordin		_		
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• at 690 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 6 A • at 110 V rated value 2 A • at 25 V rated value 1 A • at 25 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 10 A • at 120 V rated value 0.9 A • at 110 V rated value 0.9 A • at 120 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A gG: 10 A (230 V, 400 A) gG: 10 A (230 V, 400 A) protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 0 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link 9G: 10 A (690 V, 100 kA) • for short-circuit protection of the main circuit - - with type	• at 680 V rated value 1 A operational current at DC-12 0 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 720 V rated value 3 A • at 720 V rated value 1 A • at 720 V rated value 1 A • at 720 V rated value 1 A • at 720 V rated value 0.15 A operational current at DC-13 0 A • at 720 V rated value 0.15 A operational current at DC-13 0 A • at 720 V rated value 0.15 A operational current at DC-13 0 A • at 720 V rated value 0.3 A • at 720 V rated value 0.14 A design of the miniature circuit breaker for short-circuit gG: 10 A (220 V, 400 Å) protection of the regulad 16 A (220 V, 400 Å) contact reliability of auxiliary contacts according to UL Ac600 / Q600 Stort-Circuit protection of the main circuit - with type of coordination 1 required • or short-circuit protection of the main circuit - with type of oscimment 2 required • for short-circuit protection of the main circuit - with type of oscimment 2 required • for short-circuit protection of the main circuit - with type of oscimment 2 required • for sh	 at 400 V rated value 	3 A		
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• at 60 V rated value 6 A • at 110 V rated value 3 A • at 1220 V rated value 1 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 10 A • at 24 V rated value 10 A • at 25 V rated value 0.4 • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 220 V rated value 0.10 A • at 220 V rated value 0.3 A • at 220 V rated value 0.10 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA rating Conditing of auxiliary contacts according to UL A600 / Q600 Short-circuit protection product function short circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary	• at 160 V rated value 6 A • at 120 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A opprational current at DC-13 0 A • at 43 V rated value 0.14 A • at 43 V rated value 0.4 • at 220 V rated value 0.3 A • at 220 V rated value 0.14 A design of the miniature circuit breaker for short-circuit protection of the auxiliary soutchs g6: 10 A (230 V, 400 A) orbitch at 120 V rated value 0.14 A contact reliability of auxiliary contacts according to U. ILUCSA rating of auxiliary contacts according to UL Accol / Qc00 Stort-circuit protection No odasign of the fuse link - • for short-circuit protection No • for short-circuit protection G6: 63 A (680 V, 100 KA) • for short-circuit protection of the main circuit - • with type of coordination 1 required G5: 20 A (680 V, 100 KA) • for short-circuit protection of the auxiliary switch required G5: 20 A (680 V, 100 KA) • for short-circuit protection of the auxiliary switch required G5: 60 M (100 KA) <td< td=""><td> at 24 V rated value </td><td>10 A</td></td<>	 at 24 V rated value 	10 A		
• at 60 V rated value 6 A • at 110 V rated value 3 A • at 122 V rated value 2 A • at 220 V rated value 1 A • at 200 V rated value 0.15 A operational current at DC-13 0.15 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 25 V rated value 0.4 A • at 25 V rated value 0.4 A • at 25 V rated value 0.3 A • at 200 V rated value 0.1 A • at 200 V rated value 0.1 A • at 200 V rated value 0.1 A eat 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 contact reliability of auxiliary contacts contact reliability of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) fequired gG: 10 A (690 V, 100 kA)	• at 160 V rated value 6 A • at 120 V rated value 3 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A opprational current at DC-13 0 A • at 43 V rated value 0.14 A • at 43 V rated value 0.4 • at 220 V rated value 0.3 A • at 220 V rated value 0.14 A design of the miniature circuit breaker for short-circuit protection of the auxiliary soutchs g6: 10 A (230 V, 400 A) orbitch at 120 V rated value 0.14 A contact reliability of auxiliary contacts according to U. ILUCSA rating of auxiliary contacts according to UL Accol / Qc00 Stort-circuit protection No odasign of the fuse link - • for short-circuit protection No • for short-circuit protection G6: 63 A (680 V, 100 KA) • for short-circuit protection of the main circuit - • with type of coordination 1 required G5: 20 A (680 V, 100 KA) • for short-circuit protection of the auxiliary switch required G5: 20 A (680 V, 100 KA) • for short-circuit protection of the auxiliary switch required G5: 60 M (100 KA) <td< td=""><td>at 48 V rated value</td><td>6 A</td></td<>	at 48 V rated value	6 A		
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• at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 110 V rated value 1 A • at 220 V rated value 0.9 A • at 220 V rated value 0.3 A • at 220 V rated value 0.1 A • at 220 V rated value 0.1 A design of the miniture circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings	• at 220 V rated value 1 A • at 600 V rated value 0.15 A • at 24 V rated value 10 A • at 34 V rated value 10 A • at 34 V rated value 10 A • at 34 V rated value 0.9 A • at 25 V rated value 0.3 A • at 260 V rated value 0.3 A • at 200 V rated value 0.3 A • at 200 V rated value 0.3 A • at 200 V rated value 0.1 A Øsign of the ministure circuit breaker for short-circuit protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A 600 / Q600 Short-circuit protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A 600 / Q600 Short-circuit protection of the main circuit				
• at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 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 design of the miniature circuit breaker for short-circuit protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact reliability of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of coordination 1 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by + /-22.5° on vertical mounting rulia according to DIN EN 60715 • side-by-side mou	• at 600 V rated value 0.15 Å operational current at DC-13 10 Å • at 43 V rated value 10 Å • at 43 V rated value 10 Å • at 125 V rated value 0.9 Å • at 125 V rated value 0.1 Å • at 120 V rated value 0.1 Å design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 Å (230 V, 400 Å) contact reliability of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link - • for short-circuit protection of the main circuit - - with type of assignment 2 required gG: 63 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch gG: 10 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch gG: 10 Å (690 V, 100 kÅ) • with type of assignment 2 required gG: 20 Å (690 V, 100 kÅ) • with type of assignment 2 required gG: 20 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch gG: 10 Å (690 V, 100 kÅ) • with type of assignment 2 required gG: 83 Å (690 V, 100 kÅ) • forary ads mountin				
operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 10 V rated value 1 A • at 25 V rated value 0.9 A • at 20 V rated value 0.3 A • at 20 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact reliability of auxiliary contacts according to UL Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • side-by-side mounting */-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 2	operational current at DC-13 10 A • at 24 V rated value 10 A • at 10 V rated value 2 A • at 110 V rated value 1 A • at 25 V rated value 0.3 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A design of the ministure circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact rating of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA rating of A600 / Q600 Short-circuit protection No design of the fuse link 66 3 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 20 A (690 V, 100 kA) - with type of coordination 1 required gG: 20 A (690 V, 100 kA) - with type of coordination 1 required gG: 20 A (690 V, 100 kA) - side-by-side mounting Hestilation/ mounting/ dimensions Installation/ mounting/ dimensions Fastening method • side-by-side mounting Yes height 85 mm • side-by-side mounting Yes height 97 mm				
• at 24 V rated value 10 A • at 48 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 design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings	• at 24 V rated value 10 A • at 48 V rated value 2 A • at 125 V rated value 0.9 A • at 25 V rated value 0.3 A • at 25 V rated value 0.1 A • at 600 V rated value 0.1 A • contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA rating of auxiliary contacts according to UL A600 / Q600 Stort-circuit protection No design of the fuse link • for short-circuit protection of the main circuit • for short-circuit protection of the auxiliary switch gG: 30 A (690 V, 100 kA) • at 600 V-focul protection of the auxiliary switch gG: 30 A (690 V, 100 kA) • at 61 do -by-side mounting +/-180" rotation possible on vertical mounting surface; can be tilted for short-circuit protection of the auxiliary switch gG: 10 A (290 V, 100 kA) • side-by-side mounting +/-180" rotation possible on vertical mounting surface; can be tilted <td< td=""><td></td><td>0.10 A</td></td<>		0.10 A		
• at 48 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 design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection A600 / Q600 Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 20 A (690 V, 100 kA) - with type of coordination 1 required gG: 10 A (690 V, 100 kA) of rs short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) e- with type of coordination 1 required gG: 10 A (690 V, 100 kA) is for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) is stallation/ mounting / dimensions t+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5" on	• at 48 V rated value 2 A • at 110 V rated value 1 A • at 220 V rated value 0.9 A • at 220 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary soutch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings		10.4		
• 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 design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings	• at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 260 V rated value 0.1 A design of the miniature circuit breaker for short-circuit gG: 10 A (230 V, 400 A) protection of the auxiliary south required 1 fault switching per 100 million (17 V, 1 mA) U/CSA ratings Contact reliability of auxiliary contacts according to UL Short-circuit protection A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required gG: 80 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 80 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) fastening method screw and snap-on mounting onto 25 mm standard mounting surface side-by-side mounting Yes height 86 mm • with side-by-side mounting Yes • onwards 10 mm - onward				
• at 125 V rated value 0.9 Å • at 220 V rated value 0.3 Å • at 600 V rated value 0.1 Å design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 Å (230 V, 400 Å) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mÅ) UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 Å (690 V, 100 kÅ) - with type of assignment 2 required gG: 10 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch required gG: 10 Å (690 V, 100 kÅ) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	• at 125 V rated value 0.9 Å • at 200 V rated value 0.3 Å • at 600 V rated value 0.1 Å design of the miniature circuit breaker for short-circuit protection of the auxiliary soutch required gG: 10 Å (230 V, 400 Å) contact rating of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mÅ) U/CSA ratings				
• at 220 V rated value 0.3 A • at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required	• at 220 V rated value 0.3 Å • at 600 V rated value 0.1 Å design of the miniture circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A600 / Q600 Short-circuit protection No gG: 63 A (690 V, 100 kA) gG: 63 A (690 V, 100 kA) • for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary switch required gG: 63 A (690 V, 100 kA) • or short-circuit protection of the auxiliary switch required gG: 20 A (690 V, 100 kA) • or short-circuit protection of the auxiliary switch required gG: 63 A (690 V, 100 kA) • or short-circuit protection of the auxiliary switch required gG: 20 A (690 V, 100 kA) • or short-circuit protection of the auxiliary switch required gG: 00 A (690 V, 100 kA) • or short-circuit protection of the auxiliary switch required gG: 00 A (690 V, 100 kA) • side-by-side mounting +/-180° rotation possible on vertical mounting surface: can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DN EM 60715 • side-by-side mounting - forwards 10 mm • with side-by-side mounting - forwards 10 mm • of wards 10 mm				
• at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A600 / Q600 Short-circuit protection A600 / Q600 Short-circuit protection short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) • for short-circuit protection of the auxiliary switch required <t< td=""><td>• at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required 96: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact reliability of auxiliary contacts according to UL Short-circuit protection A600 / Q600 Short-circuit protection of the main circuit - • for short-circuit protection of the main circuit No • for short-circuit protection of the main circuit - • with type of coordination 1 required gG: 63 A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 60 (690</td><td></td><td></td></t<>	• at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required 96: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact reliability of auxiliary contacts according to UL Short-circuit protection A600 / Q600 Short-circuit protection of the main circuit - • for short-circuit protection of the main circuit No • for short-circuit protection of the main circuit - • with type of coordination 1 required gG: 63 A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection of the auxiliary switch required gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 0A (690 V, 100 KA) • for short-circuit protection gG: 60 (690				
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact rating of auxiliary contacts according to UL Short-circuit protection A600 / Q600 Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 200 kA) - with type of assignment 2 required gG: 63 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A600 / Q600 Short-circuit protection No graduet function short circuit protection of the main circuit				
protection of the auxiliary switch required 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 2 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No product function short circuit protection of the main circuit - - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) of or short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	protection of the auxiliary switch required instrument contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA returns 3 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No graduation short circuit protection of the main circuit - - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of coordination 1 required gG: 10 A (690 V, 100 kA) of or short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) of or short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) effection product protection of the auxiliary switch required isside-by-side mounting +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +-22.5° on vertical mounting rail according to DIN EN 60715 e side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm required spacing 0 mm - forwards 10 mm				
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting out 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings A600 / Q600 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch red intervention required red intervention Installation/ mounting dimensions +/-180° rotation possible on vertical mounting surface; can be filted forward and backward by +/-22.5° on vertical mounting rail according to DIN EN 60715 • side-by-side mounting Yes • side-by-side mounting Yes • side-by-side mounting 97 mm • with side-by-side mounting 10 mm - onwards 10 mm - upwards 10 mm - downwards 0 mm - at the side 6 mm - ownwards 10 mm - ownwards 10 mm - ownwards 10 mm		gG: 10 A (230 V, 400 A)		
UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection Product function short circuit protection product function short circuit protection of the main circuit No e for short-circuit protection of the main circuit GE: 63 A (690 V, 100 kA) - with type of coordination 1 required gG: 20 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) e for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	UL/CSA ratings contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No product function short circuit protection of the main circuit No - with type of assignment 2 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA) - with side by-side mounting outling 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 fastening method screw and snap-on mounting outloa (50 mm standard mounting rail according to DIN EN 60715 ves height 85 mm width 60 mm 10 mm - prowards 10 mm 10 mm - downwards 10 mm 10 mm - at the side 6 mm <				
contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/ mounting/ dimensions gG: 10 A (690 V, 100 kA) mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection No design of the fuse link •		1 faulty switching per 100 million (17 V, 1 mA)		
Short-circuit protection No product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/ mounting/ dimensions gG: 10 A (690 V, 100 kA) mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA)				
product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 63 A (690 V, 100 kA) - with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 1 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm 97 mm 97 mm	product function short circuit protection No design of the fuse link • with type of coordination 1 required gG: 63 A (690 V, 100 kA) with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface: fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm required spacing • • with side-by-side mounting 10 mm - downwards 10 mm - downwards 0 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - downwards		A600 / Q600		
design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions Installation/ mounting/ dimensions #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method side-by-side mounting Yes height 85 mm width 60 mm 97 mm 	design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 63 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA) gG: 10 A (690 V, 100 kA) installation/ mounting/ dimensions #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface iside-by-side mounting +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting rail according to DIN EN 60715 side-by-side mounting Yes height width 60 mm depth 97 mm required spacing with side-by-side mounting - forwards - upwards - upwards - forwards - upwards - forwards - of orwards - forwards - forwards - upwards - of orwards - upwards - upwards - forwards - forwards - upwards - forwards - forwards - upwards - forwards - upwards - upwards - forwards - forwards - upwards - mm - forwards - upwards - forwa	Short-circuit protection			
 for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required G: 20 A (690 V, 100 kA) for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position t/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 side-by-side mounting Yes height %5 mm width 60 mm 97 mm 	 for short-circuit protection of the main circuit with type of ecordination 1 required gG: 63 A (690 V, 100 kA) gG: 20 A (690 V, 100 kA) gG: 10 kota	product function short circuit protection	No		
with type of coordination 1 requiredgG: 63 A (690 V, 100 kA) with type of assignment 2 requiredgG: 20 A (690 V, 100 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (690 V, 1 kA)Installation/mounting/ dimensions+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodscrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715• side-by-side mountingYesheight85 mmwidth60 mmdepth97 mm	with type of coordination 1 required gG: 63 A (690 V, 100 kA) with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 10 kA) Installation/mounting/dimensions	design of the fuse link			
with type of assignment 2 requiredgG: 20 A (690 V, 100 kA)• for short-circuit protection of the auxiliary switch requiredgG: 10 A (690 V, 1 kA)Installation/ mounting/ dimensionsmounting position+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surfacefastening methodscrew and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715• side-by-side mountingYesheight85 mmwidth60 mmdepth97 mm	with type of assignment 2 required gG: 20 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 1 kA) Installation/ mounting/ dimensions	 for short-circuit protection of the main circuit 			
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions Mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm 	• for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 1 kA) Installation/ mounting/ dimensions +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm required spacing - • with side-by-side mounting 10 mm - nowards 10 mm - gownwards 10 mm - oforwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side 6 mm - downwards 10 mm - at the side	 — with type of coordination 1 required 	gG: 63 A (690 V, 100 kA)		
required Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm required spacing • • with side-by-side mounting - - forwards 10 mm - upwards 10 mm - at the side 0 mm • for grounded parts - - at the side 6 mm - downwards 10 mm - at the side 0 mm - forwards 10 mm - upwards 10 mm - forwards 10 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm </td <td> — with type of assignment 2 required </td> <td>gG: 20 A (690 V, 100 kA)</td>	 — with type of assignment 2 required 	gG: 20 A (690 V, 100 kA)		
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forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	forward and backward by +/- 22.5° on vertical mounting surface fastening method screw and snap-on mounting onto 35 mm standard mounting rail e side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm required spacing • with side-by-side mounting 10 mm - forwards 10 mm - downwards 0 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - upwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm	Installation/ mounting/ dimensions			
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• side-by-side mounting Yes height 85 mm width 60 mm depth 97 mm	• side-by-side mountingYesheight85 mmwidth60 mmdepth97 mmrequired spacing• with side-by-side mounting forwards10 mm- upwards10 mm- downwards0 mm- at the side0 mm- for grounded parts forwards10 mm- at the side0 mm- forwards10 mm- at the side6 mm- at the side6 mm- downwards10 mm- at the side6 mm- at the side10 mm- at the side6 mm- at the side10 mm	fastening method			
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	required spacing• with side-by-side mounting- forwards10 mm- upwards10 mm- downwards0 mm- at the side0 mm• for grounded parts0 mm- forwards10 mm- upwards10 mm- upwards10 mm- forwards10 mm- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm- at the side6 mm- downwards10 mm- forwards10 mm- forwards10 mm- at the side6 mm- at the side10 mm- forwards10 mm- at the side6 mm	_	Yes 85 mm		
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	downwards10 mm at the side0 mm• for grounded parts0 mm forwards10 mm upwards10 mm at the side6 mm downwards10 mm• for live parts10 mm forwards10 mm downwards10 mm at the side6 mm at the side10 mm at the side10 mm at the side6 mm	width depth required spacing • with side-by-side mounting	Yes 85 mm 60 mm 97 mm		
	at the side0 mm• for grounded parts forwards10 mm upwards10 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards	Yes 85 mm 60 mm 97 mm 10 mm		
	• for grounded parts10 mm- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- upwards10 mm- upwards6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm		
- at the side 0 mm	- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm		
● for grounded parts	upwards10 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm		
	at the side 6 mm downwards 10 mm • for live parts - forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm		
	downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm		
— forwards 10 mm	• for live parts 10 mm — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm		
— forwards 10 mm — upwards 10 mm	forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm		
forwards 10 mm upwards 10 mm at the side 6 mm	forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm	— upwards 10 mm — downwards 10 mm — at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
forwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm • for live parts 10 mm	downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — forwards — forwards — forwards — forwards — ownwards — at the side — for live parts	Yes 85 mm 60 mm 97 mm 10 mm		
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts 10 mm - forwards 10 mm	- at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — oforwards — upwards — forwards — forwards — of proverds — at the side — ownwards — for live parts — forwards • for live parts — forwards	Yes 85 mm 60 mm 97 mm 10 mm		
forwards10 mm upwards10 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm		width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — ownwards — forwards — ownwards — forwards — at the side — downwards • for live parts — forwards — upwards • for live parts — upwards — upwards	Yes 85 mm 60 mm 97 mm 10 mm		
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— at the side 0 mm	- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm		
• for arounded parts	- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm- upwards10 mm- at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm		
	upwards10 mm at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm		
	at the side6 mm downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm		
— forwards 10 mm	downwards10 mm• for live parts forwards10 mm upwards10 mm downwards10 mm at the side6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm		
— forwards 10 mm — upwards 10 mm	• for live parts 10 mm — forwards 10 mm — upwards 10 mm — downwards 10 mm — at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm		
forwards 10 mm upwards 10 mm at the side 6 mm	forwards 10 mm upwards 10 mm downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm	— upwards 10 mm — downwards 10 mm — at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards	Yes 85 mm 60 mm 97 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm		
forwards 10 mm upwards 10 mm at the side 6 mm downwards 10 mm • for live parts 10 mm	downwards 10 mm at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — forwards — forwards — forwards — forwards — ownwards — for live parts	Yes 85 mm 60 mm 97 mm 10 mm		
- forwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm • for live parts 10 mm - forwards 10 mm	- at the side 6 mm	width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — oforwards — upwards — forwards — forwards — of proverds — at the side — ownwards — for live parts — forwards • for live parts — forwards	Yes 85 mm 60 mm 97 mm 10 mm		
- forwards10 mm- upwards10 mm- at the side6 mm- downwards10 mm• for live parts forwards10 mm- upwards10 mm		width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — ownwards — forwards — ownwards — forwards — at the side — downwards • for live parts — forwards — upwards • for live parts — upwards — upwards	Yes 85 mm 60 mm 97 mm 10 mm		
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type of electrical connection		
• for main current circuit	screw-type terminals	
for auxiliary and control circuit	screw-type terminals	
at contactor for auxiliary contacts	Screw-type terminals	
of magnet coil two of connectable conductor cross sections	Screw-type terminals	
type of connectable conductor cross-sections • for main contacts		
- solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)	
— solid — solid or stranded	2x (1 2.5 mm²), 2x (2.5 10 mm²) 2x (1 2.5 mm²), 2x (2.5 10 mm²)	
 — finely stranded with core end processing 	2x (1 2.5 mm ²), 2x (2.5 6 mm ²), 1x 10 mm ²	
at AWG cables for main contacts	2x (16 12), 2x (14 8)	
connectable conductor cross-section for main contacts		
• solid	1 10 mm²	
solid solid or stranded	1 10 mm ²	
• stranded	1 10 mm ²	
 finely stranded with core end processing 	1 10 mm ²	
connectable conductor cross-section for auxiliary		
contacts		
 solid or stranded 	0.5 2.5 mm²	
finely stranded with core end processing	0.5 2.5 mm²	
type of connectable conductor cross-sections		
 for auxiliary contacts 		
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)	
AWG number as coded connectable conductor cross section		
 for main contacts 	16 8	
 for auxiliary contacts 	20 14	
Safety related data		
product function		
 mirror contact according to IEC 60947-4-1 	Yes	
T1 value for proof test interval or service life according to IEC 61508	20 у	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Communication/ Protocol		
product function bus communication	No	
Certificates/ approvals		
General Product Approval		EMC
Confirmation CSA		RCM
Functional Safety/Safety of Declaration of Conformity Machinery	Test Certificates	Marine / Shipping
Type Examination CertificateUK CACE CAGertificateUK CACE CA	Special Test Certific- ate <u>ates/Test Report</u>	ABS
Marine / Shipping		other

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other



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