Data sheet 3RT2037-3NB34-3MA0



Power contactor, AC-3 65 A, 30 kW / 400 V 2 NO + 2 NC, 20-33 V AC/DC with varistor 3-pole, size S2 spring-type terminal, Perm. mounted auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	No
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	11.4 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	3.8 W
<ul> <li>without load current share typical</li> </ul>	2 W
insulation voltage	
• of main circuit with degree of pollution 3 rated value	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	6.1g / 5 ms, 3.7g / 10 ms
• at DC	6.1g / 5 ms, 3.7g / 10 ms
shock resistance with sine pulse	
• at AC	9.6g / 5 ms, 5.8g / 10 ms
• at DC	9.6g / 5 ms, 5.8g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2014
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 %
ain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	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>	80 A
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	80 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	70 A
• at AC-3	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
• at AC-3e	
— at 400 V rated value	65 A
— at 500 V rated value	65 A
— at 690 V rated value	47 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	55 A
at AC-5a up to 690 V rated value	70.4 A
at AC-5b up to 400 V rated value	53.9 A
• at AC-6a	
up to 230 V for current peak value n=20 rated value	56.9 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	56.9 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	56.9 A
— up to 690 V for current peak value n=20 rated value	47 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	38 A
— up to 400 V for current peak value n=30 rated value	38 A 38 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated</li> </ul>	38 A
value minimum cross-section in main circuit at maximum AC-1	25 mm²
rated value operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	28 A
at 690 V rated value	22 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	45 A

— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	35 A
— at 110 V rated value	2.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 A
— at 600 V rated value	0.06 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	25 A
— at 220 V rated value	5 A
— at 440 V rated value	0.27 A
— at 600 V rated value	0.16 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	30 kW
• at AC-3	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
• at AC-3e	
— at 230 V rated value	18.5 kW
— at 400 V rated value	30 kW
— at 500 V rated value	37 kW
— at 690 V rated value	37 kW
operating power for approx. 200000 operating cycles	
at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	14.7 kW
at 690 V rated value	20 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	22.6 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	39.4 kVA
• up to 500 V for current peak value n=20 rated value	49.2 kVA
• up to 690 V for current peak value n=20 rated value	56.1 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	15.1 kVA
• up to 400 V for current peak value n=30 rated value	26.2 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	32.8 kVA
• up to 690 V for current peak value n=30 rated value	45.3 kVA
short-time withstand current in cold operating state up to 40 $^{\circ}\text{C}$	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	1 055 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	730 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	520 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	336 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	272 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 500 1/h

• at DC	1 500 1/h
operating frequency	1 000 1/11
at AC-1 maximum	800 1/h
at AC-1 maximum     at AC-2 maximum	400 1/h
at AC-3 maximum	700 1/h
at AC-3 maximum     at AC-3e maximum	700 1/h
at AC-3e maximum     at AC-4 maximum	700 1/h 200 1/h
	200 1/11
Control circuit/ Control	40/00
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	20 22 1/
• at 50 Hz rated value	20 33 V
at 60 Hz rated value	20 33 V
control supply voltage at DC	22 221
• rated value	20 33 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	3 A
duration of inrush current peak	50 µs
locked-rotor current mean value	1 A
locked-rotor current peak	2.6 A
duration of locked-rotor current	230 ms
holding current mean value	40 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	23 W
holding power of magnet coil at DC	1 W
closing delay	
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
- at 110 v lated value	VII

at 125 V rated value	• ## 220 V rated value		
• at 800 V reled value • at 48 V reted value • at 10 V rated value • at 110 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 800 V rated value • at 230 V rated value • at 250 V rated value • at 260 V rated value • at 260 V rated value • at 800 V rated value • for short-circuit protection of the main circuit • with type of coordination 1 required • for short-circuit protection of the auxiliary switch  • for short-circuit protection of the a	• at 500 V rated value	<ul> <li>at 125 V rated value</li> </ul>	2 A
a 24 V rated value	operational current at DC-13	<ul> <li>at 220 V rated value</li> </ul>	1 A
* at 24 V rated value	e at 24 V rated value	at 600 V rated value	0.15 A
a 14 8 V rated value	e at 80 V rated value	operational current at DC-13	
at 160 V rated value		<ul><li>at 24 V rated value</li></ul>	6 A
at 110 V rated value	et at 10 V rated value	<ul> <li>at 48 V rated value</li> </ul>	2 A
• at 125 V rated value • at 220 V rated value • at 480 V rated value • at 110/120 V rated value • at 110/120 V rated value • at 110/120 V rated value • at 230 V rated value • for 3-phase AC motor  — at 110/120 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 200/280 V rated value • at 460/480 V rated value • at 2575/690 V rated value • at 460/480 V rated value • on the fuse link • for short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required  in for short-circuit protection of the auxiliary switch required  fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • at the side • ommards • of ommards • ommards	• at 125 V rated value	<ul> <li>at 60 V rated value</li> </ul>	2 A
• at 220 V rated value	e. at 200 V rated value	<ul> <li>at 110 V rated value</li> </ul>	1 A
• at 600 V rated value  contact reliability of auxiliary contacts  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 1101/20 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 2200/20 V rated value • at 260/20 V rated value • at 270/20 V rated value • at 280 V rated value • at 280 V rated value • at 280 V rated value • at 480 V rated value • at 280 V rated value • at 280/20 V rated value • at 480/480 V rated value • 50 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required  • for short-circuit protection of the auxiliary switch required  * with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  * side-by-side mounting/ dimensions  **mounting position  * #/-180* rotation possible on vertical mounting surface; can be tilted forward and backward by #/-22.5* on vertical mounting rall according to DIN EN 60715  * side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • orwards • 10 mm  required spacing • with side-by-side mounting • forwards • 10 mm  - downwards • 10 mm  - upwards • 10 mm  - upwards • 10 mm  - upwards - at the side - downwards - 10 mm - upwards - at the side - downwards - 10 mm	• at 500 V rated value  contact reliability of axiliary contacts  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 400 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • for single-phase AC motor — at 1101/20 V rated value • for 3-phase AC motor — at 120/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • at 25/5600 V rated value — at 260/450 V rated value — at 5/5600 V rated value — at 5/5600 V rated value — at 5/5600 V rated value — with type of coordination 1 required — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required  **of reshort-circuit protection of the auxiliary switch required  **new for short-circuit protection of the auxiliary switch forward and belowand by +/- 22.5° on vertical mounting surface, can be titled  **side-by-side mounting  **festening method  **side-by-side mounting  **of grounded parts — forwards — at the side — otherwards — at the side — otherwards — at the side — otherwards — o	at 125 V rated value	0.9 A
Tauly switching per 100 million (17 V, 1 mA)	Contact reliability of auxiliary contacts	<ul> <li>at 220 V rated value</li> </ul>	0.3 A
full-load current (FLA) for 3-phase AC motor         a 1480 V rated value         65 A           a 1 600 V rated value         52 A           yiolided mechanical performance [hp]         55 p           at 1 10 / 120 V rated value         5 hp           at 230 V rated value         10 hp           at 230 V rated value         20 hp           at 220/230 V rated value         20 hp           at 220/230 V rated value         20 hp           at 220/230 V rated value         50 hp           at 250/230 V rated value         50 hp           at 250/230 V rated value         50 hp           at 250/230 V rated value         50 hp           at 460/480 V rated value         50 hp           at 75/5600 V rated value         20 hp           at 480/480 V rated value         50 hp           contact rating of auxiliary contacts according to UL         Short-circuit protection           design of the fuse link         6 for short-circuit protection of the main circuit           with type of assignment 2 required         (415 V, 80 kA)           with type of assignment 2 required         (415 V, 80 kA)           6 for short-circuit protection of the auxiliary switch required         (415 V, 80 kA)           9G: 12 A (890 V, 100 kA), aM: 63A (890 V, 100 kA), BS88: 100A           4 (15 V,	Tull-oad current (FLA) for 3-phase AC motor	<ul> <li>at 600 V rated value</li> </ul>	0.1 A
Mil-load current (FLA) for 3-phase AC motor	full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  52 A  52 A  52 A  53 A  54 A  55 A  56 A  57 A  58 A  58 A  59 A  50 A  60 A  600 / Q800	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Mil-load current (FLA) for 3-phase AC motor	full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  52 A  52 A  52 A  53 A  54 A  55 A  56 A  57 A  58 A  58 A  59 A  50 A  60 A  600 / Q800	UL/CSA ratings	
* at 480 V rated value 52 A 52 A 54 at 600 V rated value 52 A 55 A 54 at 600 V rated value 52 A 55 A 55 A 56 A 56 A 56 A 56 A 56 A	• at 480 V rated value • at 600 V rated value • at 600 V rated value  yleided mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 220/230 V rated value — at 675/600 V rated value — at 675/600 V rated value — at 675/600 V rated value — bon 1 created value — at 675/600 V rated value — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the main circuit — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  - with type of coordination 1 required • for short-circuit protection of the auxiliary switch required  - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required  - with type of assignment 2 required • for short-circuit protection of the auxiliary switch 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  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for have a sample of the switch and the sample of the switch and		
• at 600 V rated value   52 A	• at 600 V rated value   52 A		65 A
vielded mechanical performance [hp]   • for single-phase AC motor   — at 110/120 V rated value   10 hp     • for 3-phase AC motor     — at 200/208 V rated value   20 hp     — at 220/230 V rated value   20 hp     — at 460/480 V rated value   55 hp     — at 575/600 V rated value   20 hp     — at 575/600 V rated value   50 hp     — at 575/600 V rated value   600 V rated value   70 hp     — at 575/600 V rated value   70 hp     — with type of assignment 2 required   70 hp     — with type of assignment 2 required   70 hp     — with type of assignment 2 required   70 hp     — with type of assignment 2 required   70 hp     — at 575/600 V rated value   70 hp     — with type of assignment 2 required   70 hp     — at 575/600 V rated value   70 hp     — with type of assignment 2 required   70 hp     — with type of assignment 2 required   70 hp     — at 50 hp     — with type of assignment 2 required   70 hp     — at 50 hp     — at 575/600 V rated value   70 hp     — at 50 hp     — with type of assignment 2 required   70 hp     — at 50 hp	violated mechanical performance [hp]   of or single-phase AC motor		
• for single-phase AC motor  — at 110/120 Y rated value — at 230 V rated value	• for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value		0271
at 110/120 V rated value	- at 110/120 V rated value - at 230 V rated value - 10 hp - 10		
■ at 230 V rated value     ■ for 3-phase AC motor     — at 200/208 V rated value     — at 220/230 V rated value     — at 460/480 V rated value     — at 460/480 V rated value     — at 575/600 V rated value  Contact rating of auxiliary contacts according to UL  Short-circuit protection  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     — with type of assignment 2 required     ④ 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 rail according to DIN EN 60716     ▼ side-by-side mounting     ◆ side-by-side mounting     ◆ with side-by-side mounting     ● of or grounded parts     — downwards     — at the side     ● for grounded parts     — forwards     — at the side     — downwards     — downwards     — at the side     — downwards     — forwards     — at the side     — downwards     — forwards	■ 1230 V rated value ■ for 3-phase AC motor ■ at 200/230 V rated value ■ at 220/230 V rated value ■ at 250/230 V rated value ■ at 4575/600 V rated value ■ at 675/600 V rated value ■ at 675/600 V rated value ■ bon p □ contact rating of auxiliary contacts according to UL  Short-circuit protection    design of the fuse link   for short-circuit protection of the main circuit   with type of coordination 1 required   gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)   with type of sasignment 2 required   gG: 252 A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100A (415 V, 80 kA)   for short-circuit protection of the auxiliary switch required   gG: 125 A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100A (415 V, 80 kA)   for short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA) required	<b>5</b> .	5 hp
• for 3-phase AC motor — at 200/208 V rated value 20 hp — at 220/203 V rated value 50 hp — at 460/480 V rated value 50 hp — at 4575/600 V rated value 50 hp — at 575/600 V rated value 50 hp — at 60/400 V ra	• for 3-phase AC motor  — at 200/208 V rated value — at 220/230 V rated value — at 240/230 V rated value — at 460/480 V rated value — at 575/600 V rated value  - at 60/480 V rated value  - at 75/680 V rated val		
at 220/208 V rated value	- at 200/208 V rated value - at 220/230 V rated value 20 hp - at 220/230 V rated value 50 hp - at 4575/600 V rated value 50 hp - at 575/600 V rated value 60 hp - at 575/600 V rated value 70 hp - at 755/600 V rated 70 hp		το τιρ
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value 50 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required (415 V, 80 kA) - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch forward and backward by +/- 22.5° on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • of orwards  - upwards  - downwards  10 mm  • of orgrounded parts  - forwards  - forwards  - upwards  - forwards  - upwards  - forwards  - upwards  - downwards  - downwards  - upwards  - downwards  - downwards  - downwards  - upwards  - downwards  - downwards  - upwards  - downwards	at 220/230 V rated value	·	00 ha
- at 460/480 V rated value - at 575/600 V rated value 50 hp 600 / Q600  Short-circuit protection  design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required 4 (415 V, 80 kA) - with type of assignment 2 required 6 for short-circuit protection of the auxiliary switch required 6 for short-circuit protection of the auxiliary switch required 7 for short-circuit protection of the auxiliary switch required 8 for short-circuit protection of the auxiliary switch required 8 for short-circuit protection of the auxiliary switch required 8 for short-circuit protection of the auxiliary switch required 8 for short-circuit protection of the auxiliary switch required 9 for short-circuit protection of the auxiliary switch required 9 for short-circuit protection of the auxiliary switch required spacing  1	- at 460/480 V rated value 50 hp 50 hp 50 hp contact rating of auxilliary contacts according to UL A600 / G600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required (415 V, 80 kA)  — with type of assignment 2 required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • for short-circuit protection of the auxiliary switch required (415 V, 80 kA)  • side-by-side mounting / dimensions  mounting position		
contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  • for short-circuit protection of the auxiliary switch required  installation/ mounting/ dimensions  mounting position  • side-by-side mounting • width side-by-side mounting • orwards — upwards — downwards — of the side • for grounded parts — forwards — upwards — other is a side — odownwards — other is a side — odownwards — other is a side — odownwards — at the side — odownwards — odow	- at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  ● for short-circuit protection of the main circuit  - with type of coordination 1 required  ØG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)  • with type of assignment 2 required  ØG: 125A (690 V, 100kA), aM: 63A (690 V, 100 kA), BS88: 100A (415 V, 80 kA)  • 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 screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  Yes  height  ### width  ### depth  ### required spacing  ### with side-by-side mounting  ### ownwards  ### - downwards  ### - forwards  ### - downwards  ### - forwards  ### - at the side  ### - downwards  ### - for grounded parts  ### - forwards  ### - downwards  ### - for grounded parts  ### - forwards  ### - downwards  ### - forwards  ### - forwards  ### - downwards  ### -		
contact rating of auxiliary contacts according to UL  Short-circuit protection  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  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  • **I-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  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • forwards  — upwards  — at the side  • for grounded parts  — forwards  — upwards  — upwards  — the side  • form  • odonwards  — at the side  — downwards  — the side  —	contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  • for short-circuit protection of the auxiliary switch  required  • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • of or short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • side-by-side mounting of the auxiliary switch required spacing  • with side-by-side mounting  • of or grounded parts  — downwards — at the side — downwards • of or live parts  — forwards — upwards — odwnwards • of or live parts — forwards — upwards — odwnwards • of or live parts — forwards — upwards — odwnwards — upwards — odwnwards — of ownwards — of ownwards — of ownwards — odwnwards — of ownwards — ownwards — of ownwards		
Short-circuit protection	Short-circuit protection   design of the fuse link   • for short-circuit protection of the main circuit   with type of coordination 1 required   gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)   with type of assignment 2 required   gG: 252 A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)   efor short-circuit protection of the auxiliary switch required   gG: 10 A (500 V, 1 kA)   gG: 10 A (500 V, 1 kA)   gG: 10 A (500 V, 1 kA)   efor short-circuit protection of the auxiliary switch required   mounting of dimensions   with stallation/mounting/dimensions   with stallation/mo		50 hp
design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>4 (315 V, 80 kA)</li> <li>— with type of assignment 2 required</li> <li>gG: 125A (690 V, 100 kA), aM: 63A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)</li> </ul> • 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         screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715           • side-by-side mounting         Yes           height         114 mm           width         55 mm           depth         178 mm           required spacing         • with side-by-side mounting           • a with side-by-side mounting         10 mm           • downwards         10 mm           • downwards         10 mm           • at the side         0 mm           • for grounded parts         10 mm           • at the side         6 mm           • downwards         10 mm           • at the side         6 mm           • downwards         10 mm	design of the fuse link		A600 / Q600
• 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  mounting position  #/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  — forwards  — upwards  — downwards  — at the side  • for grounded parts  — forwards  — upwards  — upwards  — oupwards  • for grounded parts  — forwards  — upwards  — upwards  — oupwards  — upwards  — oupwards  —	• 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  • 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  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • with side-by-side mounting  • owith side-by-side mounting  • forwards  — downwards  — at the side  • for grounded parts  — forwards  — upwards  — at the side  • downwards  • for live parts  — forwards  — upwards  • for live parts  — forwards  — upwards  — upwards  • for live parts  — forwards  — upwards  — upwards  • for live parts  — forwards  — upwards  — upwards  • for live parts  — forwards  — upwards  — upwards  — upwards  • for live parts  — forwards  — upwards  — upwards  — upwards  • for live parts  — forwards  — upwards  — odownwards  — upwards  —	Short-circuit protection	
- 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  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)  - for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)  - for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA)  - 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 by +/- 22.5° on vertical mounting surface; can be tilted forward by +/- 22.5° on vertical mounting	- with type of coordination 1 required  - with type of assignment 2 required  - with type of assignment 2 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  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for short-circuit protection of the auxiliary switch required  - for stallation/ mounting/ dimensions  - whith all short-circuit protection of the auxiliary switch required 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; ca	design of the fuse link	
- with type of assignment 2 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  - wounting position - forward and backward by +/-22.5* on vertical mounting surface; can be tilted forward and backward by +/-22.5* on vertical mounting surface - side-by-side mounting - side-by-side mounting - side-by-side mounting - with side-by-side mounting - forwards - upwards - downwards - at the side - or grounded parts - forwards - upwards - upwards - upwards - the side - downwards - at the side - downwards - 10 mm - 10 mm	- with type of assignment 2 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 - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - forwards 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 so DIN EN 60715  - side-by-side mounting - side-by-side mounting - the side-by-side mounting - forwards - upwards - upwards - downwards - upwards - for grounded parts - for grounded parts - for grounded parts - forwards - at the side - downwards - the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - downwards - upwards - downwards - downwards - downwards - downwards - downwards - at the side - downwards - at the side - downwards - down	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
- with type of assignment 2 required  of or short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  oside-by-side mounting  owith side-by-side 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 sur	- 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  mounting position  • /-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting  • side-by-side mounting  • with side-by-side mounting  • owith side-by-side mounting  - downwards  - upwards  - at the side  • for grounded parts  - forwards  - at the side  - downwards  - at the side  - downwards  • for live parts  - forwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  - upwards  - upwards  - upwards  - upwards  - to mm  • for live parts  - forwards  - upwards  -	<ul> <li>— with type of coordination 1 required</li> </ul>	
• for short-circuit protection of the auxiliary switch required    Installation/ mounting/ dimensions	• for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position	— with type of assignment 2 required	gG: 125A (690V,100kA), aM: 63A (690V,100kA), BS88: 100A
Installation/ mounting/ dimensions  mounting position	Installation/ mounting/ dimensions  mounting position		
Installation/ mounting/ dimensions	Installation/ mounting/ dimensions		gG: 10 A (500 V, 1 kA)
mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting  Yes  height  114 mm  width  55 mm  depth  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — at the side — downwards  10 mm  10 mm	#/-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  • side-by-side mounting  Yes  height 114 mm  width 55 mm  depth 178 mm  required spacing  • with side-by-side mounting  — forwards 10 mm  — upwards 10 mm  — at the side 0 mm  • for grounded parts  — forwards 10 mm  • upwards 10 mm  • for grounded parts  — forwards 10 mm  — upwards 10 mm  • for grounded parts  — forwards 10 mm  — upwards 10 mm  — upwards 10 mm  — upwards 10 mm  — upwards 10 mm  — at the side 6 mm  — downwards 10 mm  • for live parts  — forwards 10 mm  • for live parts  — forwards 10 mm  • for live parts  — downwards 10 mm  — upwards 10 mm  • downwards 10 mm  — downwards 10 mm  — downwards 10 mm  — downwards 10 mm		
forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting Yes  height 114 mm  width 55 mm  depth required spacing  • with side-by-side mounting — forwards — upwards — downwards — at the side	fastening method screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715  • side-by-side mounting Yes  height 114 mm  width 55 mm  depth 178 mm  required spacing  • with side-by-side mounting — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — of ownwards — of orwards — of orwards — in mm  • for grounded parts — forwards — at the side — downwards — to mm  • for live parts — forwards — upwards — upwards — of or wards — to mm  • for live parts — forwards — upwards — upwards — downwards — upwards — to mm  • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — to mm  • for mm  • downwards — upwards — upward		1/400° retation possible on vertical requiring queface, can be tilted
according to DIN EN 60715  Yes  height  114 mm  width  55 mm  depth  required spacing  ● with side-by-side mounting  — forwards — upwards — downwards — at the side  for grounded parts — forwards — upwards — to mm  ● for grounded parts — forwards — upwards — downwards — downwards — downwards — at the side — downwards — downwards — downwards — downwards — downwards  10 mm  10 mm	e side-by-side mounting  height  114 mm  width  55 mm  depth  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — the side  • for grounded parts — forwards — upwards — to mm  • for grounded parts — forwards — upwards — upwards — the side — downwards — at the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards — upwards — downwards — the side — downwards — upwards — upwards — upwards — the side — downwards — the side — downwards — at the side		forward and backward by +/- 22.5° on vertical mounting surface
• side-by-side mounting  height  width  55 mm  depth  178 mm  required spacing  • with side-by-side mounting  — forwards — upwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — the side  • for grounded parts — forwards — upwards — downwards — the side — downwards — upwards — upwards — upwards — upwards — upwards — upwards — at the side — downwards  10 mm  6 mm  10 mm	◆ side-by-side mounting         Yes           height         114 mm           width         55 mm           depth         178 mm           required spacing         178 mm           • with side-by-side mounting         - forwards           — forwards         10 mm           — upwards         10 mm           — at the side         0 mm           • for grounded parts         10 mm           — at the side         6 mm           — downwards         10 mm           • for live parts         10 mm           — forwards         10 mm           — upwards         10 mm           — downwards         10 mm           — at the side         6 mm	rasterning metriod	
height         114 mm           width         55 mm           depth         178 mm           required spacing         • with side-by-side mounting           — forwards         10 mm           — upwards         10 mm           — downwards         0 mm           • for grounded parts         0 mm           — forwards         10 mm           — upwards         10 mm           — at the side         6 mm           — downwards         10 mm	height         114 mm           width         55 mm           depth         178 mm           required spacing         178 mm           • with side-by-side mounting         10 mm           — forwards         10 mm           — upwards         10 mm           — at the side         0 mm           • for grounded parts         10 mm           — forwards         10 mm           — at the side         6 mm           — downwards         10 mm           • for live parts         10 mm           — upwards         10 mm           — downwards         10 mm           — downwards         10 mm           — downwards         10 mm           — at the side         6 mm	<ul> <li>side-by-side mounting</li> </ul>	
width         55 mm           depth         178 mm           required spacing         • with side-by-side mounting           — forwards         10 mm           — upwards         10 mm           — downwards         0 mm           • for grounded parts         0 mm           — forwards         10 mm           — upwards         10 mm           — at the side         6 mm           — downwards         10 mm	width         55 mm           depth         178 mm           required spacing           ● with side-by-side mounting         10 mm           — forwards         10 mm           — upwards         10 mm           — at the side         0 mm           ● for grounded parts         10 mm           — upwards         10 mm           — at the side         6 mm           — downwards         10 mm           — for live parts         10 mm           — upwards         10 mm           — downwards         10 mm           — downwards         10 mm           — at the side         6 mm		
depth 178 mm   required spacing • with side-by-side mounting   — forwards 10 mm   — upwards 10 mm   — downwards 10 mm   — at the side 0 mm   • for grounded parts 0 mm   — forwards 10 mm   — upwards 10 mm   — at the side 6 mm   — downwards 10 mm	depth     178 mm       required spacing       ● with side-by-side mounting       — forwards     10 mm       — upwards     10 mm       — downwards     0 mm       — at the side     0 mm       ● for grounded parts     10 mm       — upwards     10 mm       — at the side     6 mm       — downwards     10 mm       — for live parts       — forwards     10 mm       — upwards     10 mm       — downwards     10 mm       — downwards     10 mm       — at the side     6 mm		
required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — at the side  • for grounded parts — forwards — upwards — upwards — at the side — downwards  10 mm  6 mm  — at the side — downwards  10 mm	required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — upwards — at the side — downwards — at the side — downwards  • for live parts — forwards — upwards — upwards — to mm  • for live parts — forwards — upwards — upwards — downwards — to mm  • for live parts — forwards — upwards — upwards — upwards — upwards — to mm — at the side — downwards — upwards — downwards — downwards — at the side — downwards — at the side		
<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>omm</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>form</li> <li>upwards</li> <li>mm</li> <li>at the side</li> <li>downwards</li> <li>mm</li> </ul>	<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>10 mm</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>6 mm</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>forwards</li> <li>10 mm</li> <li>downwards</li> <li>10 mm</li> <li>for live parts</li> <li>downwards</li> <li>10 mm</li> <li>upwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>6 mm</li> </ul>		
<ul> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>● for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>— at the side</li> <li>— downwards</li> <li>10 mm</li> <li>6 mm</li> <li>— downwards</li> <li>10 mm</li> </ul>	— forwards       10 mm         — upwards       10 mm         — downwards       10 mm         — at the side       0 mm         • for grounded parts       10 mm         — upwards       10 mm         — at the side       6 mm         — downwards       10 mm         — for live parts       10 mm         — upwards       10 mm         — downwards       10 mm         — downwards       10 mm         — at the side       6 mm		
<ul> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>• for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— at the side</li> <li>— downwards</li> <li>10 mm</li> <li>6 mm</li> <li>— downwards</li> <li>10 mm</li> </ul>	— upwards       10 mm         — downwards       10 mm         — at the side       0 mm         • for grounded parts       10 mm         — upwards       10 mm         — at the side       6 mm         — downwards       10 mm         • for live parts       10 mm         — upwards       10 mm         — downwards       10 mm         — at the side       6 mm	, ,	10 mm
— downwards       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	<ul> <li>— downwards</li> <li>— at the side</li> <li>● for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> <li>— for live parts</li> <li>— forwards</li> <li>— upwards</li> <li>— upwards</li> <li>— downwards</li> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— downwards</li> <li>— at the side</li> <li>6 mm</li> </ul>		
<ul> <li>— at the side</li> <li>● for grounded parts</li> <li>— forwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> <li>10 mm</li> <li>6 mm</li> <li>— downwards</li> <li>10 mm</li> </ul>	<ul> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>forwards</li> <li>downwards</li> <li>mm</li> <li>upwards</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>at the side</li> <li>6 mm</li> </ul>	·	
<ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>10 mm</li> <li>6 mm</li> <li>10 mm</li> </ul>	<ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>o mm</li> <li>upwards</li> <li>upwards</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>at the side</li> <li>6 mm</li> </ul>		
— forwards       10 mm         — upwards       10 mm         — at the side       6 mm         — downwards       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         — at the side       6 mm		O TIMIT
<ul> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>10 mm</li> <li>6 mm</li> <li>10 mm</li> </ul>	— upwards       10 mm         — at the side       6 mm         — downwards       10 mm         • for live parts       10 mm         — forwards       10 mm         — upwards       10 mm         — downwards       10 mm         — at the side       6 mm		10 mm
<ul><li>— at the side</li><li>— downwards</li><li>6 mm</li><li>10 mm</li></ul>	<ul> <li>— at the side</li> <li>— downwards</li> <li>• for live parts</li> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>6 mm</li> <li>6 mm</li> </ul>		
— downwards 10 mm	<ul> <li>— downwards</li> <li>for live parts</li> <li>— forwards</li> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>10 mm</li> <li>10 mm</li> <li>6 mm</li> </ul>	·	
	<ul> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> 10 mm 10 mm 6 mm		
tor live parts	<ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>10 mm</li> <li>10 mm</li> <li>6 mm</li> </ul>		10 mm
	<ul> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>10 mm</li> <li>6 mm</li> </ul>	•	
	— downwards 10 mm — at the side 6 mm		
	— at the side 6 mm	•	
— downwards 10 mm		— downwards	10 mm
-4 4	O		6 mm
	Connections/ Terminals		
			O ITIIII

type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections	
<ul> <li>for main contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (1 35 mm²), 1x (1 50 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
<ul> <li>at AWG cables for main contacts</li> </ul>	2x (18 2), 1x (18 1)
connectable conductor cross-section for main contacts	
<ul> <li>finely stranded with core end processing</li> </ul>	1 35 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 2.5 mm²
finely stranded with core end processing	0.5 1.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul><li>— solid or stranded</li></ul>	2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 14)
AWG number as coded connectable conductor cross section	
<ul> <li>for main contacts</li> </ul>	18 1
for auxiliary contacts	20 14
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947- 5-1</li> </ul>	No
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 y
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
suitability for use	
<ul> <li>safety-related switching OFF</li> </ul>	Yes
Certificates/ approvals	

## **General Product Approval**



Confirmation





<u>KC</u>



Functional
EMC Safety/Safety of Declaration of Conformity Test Certificates
Machinery



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 



Confirmation

Confirmation

Vibration and Shock

<u>Transport Information</u>

## **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=3RT2037-3NB34-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2037-3NB34-3MA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3NB34-3MA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2037-3NB34-3MA0&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2037-3NB34-3MA0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2037-3NB34-3MA0&objecttype=14&gridview=view1





