3RT2017-1FB44-3MA0

# **Data sheet**



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 24 V DC, with integrated diode, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S00, captive auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
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>	1.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
without load current share typical	4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	

	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>	22 A
value	
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	2077
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	7.2 A
— up to 400 V for current peak value n=20 rated value	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
— up to 690 V for current peak value n=20 rated value	6.7 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
· · · · · · · · · · · · · · · · · · ·	
minimum cross-section in main circuit at maximum AC-1 rated	4 mm²
value	4 mm²
	4 mm²
value operational current for approx. 200000 operating cycles at	4 mm² 4.1 A
value operational current for approx. 200000 operating cycles at AC-4	
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value	4.1 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value	4.1 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current	4.1 A
value operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value operational current • at 1 current path at DC-1	4.1 A 3.3 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value	4.1 A 3.3 A 20 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value	4.1 A 3.3 A 20 A 20 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value	4.1 A 3.3 A 20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 20 A 20 A 21 A 20 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  • at 10 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 20 V rated value  — at 440 V rated value  — at 600 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A 20 A 21 A 20
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 440 V rated value  — at 600 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 2
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 600 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 440 V rated value  — at 60 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 440 V rated value  — at 600 V rated value  — at 600 V rated value  — at 600 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 2
value  operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 110 V rated value  • at 110 V rated value  • at 20 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 10 V rated value  — at 60 V rated value  — at 100 V rated value  — at 220 V rated value  — at 220 V rated value  — at 240 V rated value  — at 240 V rated value  — at 600 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 2
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 600 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 600 V rated value  — at 24 V rated value  — at 24 V rated value  — at 20 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 2
operational current for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operational current  • at 1 current path at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 440 V rated value  — at 600 V rated value  • with 2 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 110 V rated value  — at 220 V rated value  — at 24 V rated value  — at 24 V rated value  — at 440 V rated value  — at 600 V rated value  • with 3 current paths in series at DC-1  — at 24 V rated value  — at 60 V rated value  — at 60 V rated value  — at 110 V rated value  — at 110 V rated value	4.1 A 3.3 A  20 A 20 A 2.1 A 0.8 A 0.6 A 0.6 A  20 A 20 A 20 A 20 A 20 A 20 A 20 A 12 A 1.6 A 0.8 A 0.7 A

— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— at 110 V rated value	0.15 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	0.35 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	5.5 kW
• at AC-3	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
• at AC-3e	
— at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 690 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	2 kW
at 690 V rated value	2.5 kW
operating apparent power at AC-6a	2.5 RVV
	2.8 kVA
• up to 230 V for current peak value n=20 rated value	
• up to 400 V for current peak value n=20 rated value	4.9 kVA
up to 500 V for current peak value n=20 rated value	6.2 kVA
up to 690 V for current peak value n=20 rated value	8 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1.9 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	3.3 kVA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.1 kVA
• up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 3 switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
-	74 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum     limited to 60 s switching at zero current maximum	
Ilmited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	40,000,4/1-
• at DC	10 000 1/h
operating frequency	
at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8

Sesign of the surge suppressor   Glode	- full cools value	4.4
closing power of magnet coil at DC	full-scale value	1.1
Inciding power of magnet coil at DC  closing delay		
closing delay  * at DC  opening delay  * at DC  38 66 ms  arching time  control version of the switch operating mechanism  Availary/servaling  number of NC contacts for auxiliary contacts instantaneous contact  number of NC contacts for auxiliary contacts instantaneous contact  number of NC contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-18  * at 20 V rated value  * at 60 V rated value  * at 10 V rated value  * at 22 V rated value  * at 22 V rated value  * at 40 V rated value  * at 60 V rate		
e at DC proming idealy eat DC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit  Turniber of NC contacts for auxiliary contacts instantaneous contact variation of NO contacts for auxiliary contacts instantaneous contact unumber of NC contacts for auxiliary contacts instantaneous contact unumber of NC contacts for auxiliary contacts instantaneous contact  2 contact eat 200 Vinted value eat 300 Vinted value eat 300 Vinted value eat 3600 Vinted value eat 360		4 W
opening delay  at IDC  arcing time control varision of the switch operating mechanism Standard A1 - A2  Availary circuit number of INC contracts for auxiliary contracts instantaneous contact contact number of INC contracts for auxiliary contracts instantaneous contact contact number of INC contracts for auxiliary contracts instantaneous contact operational current at AC-12  at 230 V rated value  at 800 V rated value  at 800 V rated value  at 800 V rated value  at 100 V rated value  at 125 V rated value  at 120 V rated value  at 120 V rated value  at 200 V rated valu		
## TDC   38		30 100 ms
arcing time		
control version of the switch operating mechanism  Anothery circuit  unriber of NC contacts for auxiliary contacts instantaneous contact  unriber of NC contacts for auxiliary contacts instantaneous contact  unriber of NC contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  10 A  operational current at AC-12 maximum  10 A  operational current at QC-12 maximum  2 A  at 800 V rated value  at 800 V ra		
Auxiliary circuit rumber of NC contacts for auxiliary contacts instantaneous contact.  rumber of NC contacts for auxiliary contacts instantaneous operational current at AC-15  et 230 V rated value et 3800 V rated value e		
		Standard A1 - A2
contact number of NO contacts for auxiliary contacts instantaneous contact  poperational current at AC-12 maximum oporational current at AC-18  at 230 V rated value at 500 V rated value 1 A at 500 V rated value 1 A operational current at DC-12  at 24 V rated value 1 A operational current at DC-12  at 24 V rated value 1 A operational current at DC-12  at 26 V rated value 0 A at 60 V rated value 1 A of A at 60 V rated value 1 A operational current at DC-13  at 128 V rated value 1 A operational current at DC-13  at 24 V rated value 1 A operational current at DC-13  at 24 V rated value 0 A at 100 V rated value 0 A at 100 V rated value 1 A operational current at DC-13  at 24 V rated value 2 A at 20 V rated value 1 A at 20 V rated value 2 A at 20 V rated value 1 A at 20		
contact operational current at AC-12 maximum operational current at AC-15  • at 230 V rated value • at 590 V rated value • at 590 V rated value • at 590 V rated value • at 680 V rated value • at 700 V rated value • at 800 V rated value • at 100 V rated value • at 200 V rated value • at 800 V rated		2
operational current at AC-15		2
at 230 V rated value     at 400 V rated value     at 40 V rated v	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
### ### #### #########################	• at 230 V rated value	6 A
• at 690 V rated value	• at 400 V rated value	3 A
at 24 V rated value	• at 500 V rated value	2 A
• at 24 V rated value	• at 690 V rated value	1 A
** at 48 V rated value	operational current at DC-12	
at 160 V rated value     at 125 V rated value     at 125 V rated value     at 220 V rated value     at 220 V rated value     at 600 V rated value     at 600 V rated value     at 600 V rated value     at 48 V rated value     at 48 V rated value     at 49 V rated value     at 40 V rated value     at 40 V rated value     at 110 V rated value     at 125 V rated value     at 110 V rated value     at 125 V rated value	• at 24 V rated value	10 A
** at 110 V rated value	• at 48 V rated value	6 A
	<ul><li>at 60 V rated value</li></ul>	6 A
• at 220 V rated value 0.15 A  • at 600 V rated value 0.15 A  operational current at DC-13  • at 24 V rated value 6 A  • at 48 V rated value 2 A  • at 600 V rated value 2 A  • at 10 V rated value 2 A  • at 110 V rated value 0.9 A  • at 125 V rated value 0.9 A  • at 220 V rated value 0.3 A  • at 220 V rated value 0.1 A  contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value 11 A  • at 6000 V rated value 11 A  yielded mechanical performance [hp]  • for single-phase AC motor — at 110/120 V rated value 2 hp  • at 230 V rated value 2 hp  • for 3-phase AC motor — at 110/120 V rated value 2 hp  • for 3-phase AC motor — at 200/208 V rated value 2 hp  • for 3-phase AC motor — at 200/208 V rated value 3 hp  — at 220/230 V rated value 3 hp  — at 250/000 V rated value 7.5 hp  — at 160/480 V rated value 3 hp  — at 460/480 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection of the main circuit — with type of assignment 2 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  • for short-circuit protection of the auxiliary switch required gG: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA)  • for short-circuit protection of the auxiliary switch required mounting position 4/-180° rotation possible on vertical mounting surface; can be tilted forward and	• at 110 V rated value	3 A
• at 600 V rated value	<ul> <li>at 125 V rated value</li> </ul>	2 A
operational current at DC-13  • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 200 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 11 A  11 A	<ul> <li>at 220 V rated value</li> </ul>	1 A
at 24 V rated value at 48 V rated value 2 A at 60 V rated value 2 A at 60 V rated value 3 to V rated value 4 to V rated value 5 to rated value 5 to rated value 6 to 20 V rated value 7 to rated value 7 to rated value 9 to rated value 9 to rated value 10 to rated value 11 to rorrated value 11 to rorrated value 11 to rorrated value 11 to rorrated value 11 to value 11 to rorrated value 11 to value 12 to Value 13 to Value 14 to Value 15 to paper value 16 to 3-phase AC motor 16 to single-phase AC motor 17 to rated value 18 to Value 19 to value 10 to 3-phase AC motor 10 to rated value 10 to patential value 11 to patentialo	at 600 V rated value	0.15 A
	operational current at DC-13	
at 10 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 200 V rated value at 480 V rated value at 600 V rated value bf or single-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 3-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 200 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC motor at 480 V rated value bf or 5-phase AC mot	<ul> <li>at 24 V rated value</li> </ul>	6 A
at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 11 A at 600 V rated value 11 A yielded mechanical performance [hp]  of or single-phase AC motor — at 110/120 V rated value  of or 3-phase AC motor — at 230 V rated value 2 hp  of or 3-phase AC motor — at 220/208 V rated value 3 hp — at 220/230 V rated value 3 hp — at 460/480 V rated value 3 hp — at 460/480 V rated value 3 hp — at 575/600 V rated value 7.5 hp — at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link of or short-circuit protection of the main circuit — with type of coordination 1 required with type of assignment 2 required of roshort-circuit protection of the main circuit — with type of assignment 2 required of 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 sistallation/ mountling/ dimensions  mountling position  1 A  1 faulty switching per 100 million (17 V, 1 mA)  11 A  11	<ul> <li>at 48 V rated value</li> </ul>	2 A
at 125 V rated value at 220 V rated value at 600 V rated value  ILUCSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 100 V rated value at 101/20 V rated value at 101/20 V rated value at 230 V rated value at 230 V rated value at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 460/480 V rated value at 600 V rated value at 7.5 hp at 7.5 hp at 460/480 V rated value be 600 V rated value at 7.5 hp at 7	<ul> <li>at 60 V rated value</li> </ul>	2 A
at 220 V rated value at 600 V rated value at 480 V rated value at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 11 A  yielded mechanical performance [hp]  of or single-phase AC motor at 110/120 V rated value at 230 V rated value bfor 3-phase AC motor at 230 V rated value at 200/208 V rated value at 200/208 V rated value at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 200/208 V rated value bfor 3-phase AC motor at 600/400 V rated value bfor 3-phase AC motor at 600/400 V rated value bfor 3-phase AC motor at 600/400 V rated value bfor 3-phase AC motor at 600/400 V rated value bfor 3-phase AC motor at 600/400 V rated value bfor 3-phase AC motor at 7.5 pp bfor 3-phase AC motor at 600 V rated value bfor 3-phase AC motor at 7.5 pp bfor 3-phase AC motor bfor 3-phase AC motor at 7.5 pp bfor 3-phase AC motor bfor 4-phase AC motor bf	<ul> <li>at 110 V rated value</li> </ul>	1 A
at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  11 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  for 3-phase AC motor  — at 200/208 V rated value  at 200/208 V rated value  at 200/208 V rated value  for 3-phase AC motor  — at 200/208 V rated value  at 200/208 V rated value  at 600/480 V rated value  be at 675/600 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  for short-circuit protection of the auxiliary switch required  for short-circuit protection of the aux	<ul> <li>at 125 V rated value</li> </ul>	0.9 A
contact reliability of auxiliary contacts  I faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  II A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • at 220/230 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 4575/600 V rated value  — to 10 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  • 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 function of the auxiliary switch required  • for short-circuit protection of the function of the auxiliary switch required  • for short-circuit protection of the function of the auxiliary switch required  • for short-circuit protection of the function 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 pro	<ul> <li>at 220 V rated value</li> </ul>	0.3 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 11 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 2 hp  • for 3-phase AC motor  — at 230 V rated value 2 hp  • for 3-phase AC motor  — at 200/208 V rated value 3 hp  — at 220/230 V rated value 3 hp  — at 460/480 V rated value 7.5 hp  — at 575/600 V rated value 10 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 9G: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required 9G: 50A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  +/-180* rotation possible on vertical mounting surface; can be tilted forward and	at 600 V rated value	0.1 A
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  11 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  • for 3-phase AC motor  — at 200/2208 V rated value  — at 220/230 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  — at 575/600 V rated value  To 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 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 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  • fo	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
at 480 V rated value  at 600 V rated value  yielded mechanical performance [hp]  for single-phase AC motor  - at 110/120 V rated value  - at 230 V rated value  of 3-phase AC motor  - at 200/208 V rated value  - at 2200/208 V rated value  - at 2200/208 V rated value  - at 4200/208 V rated value  - at 460/480 V rated value  - at 575/600 V rated value  - at 575/600 V rated value  to hp  contact rating of auxiliary contacts according to UL  Short-circuit protection  design of the fuse link  of or short-circuit protection of the main circuit  - with type of coordination 1 required  with type of assignment 2 required  of short-circuit protection of the auxiliary switch required	UL/CSA ratings	
• at 600 V rated value  yielded mechanical performance [hp]      • for single-phase AC motor      — at 110/120 V rated value     — 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     — at 575/600 V rated value     — at 575/600 V rated value     — at 670/600 V rated value     — at will in the first 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     • for short-circuit protection of the auxiliary switch required     installation/ mounting/ dimensions  mounting position  11 A  15 A 10/10/10 A 10/10 A 10/	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value — at 230 V rated value 9	<ul> <li>at 480 V rated value</li> </ul>	11 A
for single-phase AC motor         — at 110/120 V rated value	at 600 V rated value	11 A
- at 110/120 V rated value - at 230 V rated value - of for 3-phase AC motor - at 200/208 V rated value - at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 60/480 V rated value - at 575/600 V rated value - at 675/600 V rated value - at 575/600 V rated value - at 675/600 V rated value - at 200/208 V rated value	yielded mechanical performance [hp]	
- 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 575/600 V rated value  — at 575/600 V rated value  To 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  — 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 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 short-circuit protection of the auxiliary switch	<ul> <li>for single-phase AC motor</li> </ul>	
for 3-phase AC motor         — at 200/208 V rated value         — at 220/230 V rated value         — at 460/480 V rated value         — at 575/600 V rated value          — at 575/600 V rated value         — at 575/600 V rated value          — at 575/600 V rated value         — at 575/600 V rated value          — at 575/600 V rated value         — at 575/600 V rated value          — at 575/600 V rated value         — at 575/600	— at 110/120 V rated value	0.5 hp
- at 200/208 V rated value 3 hp - at 220/230 V rated value 7.5 hp - at 460/480 V rated value 7.5 hp - at 575/600 V rated value 10 hp  contact rating of auxiliary contacts according to UL A600 / Q600  Short-circuit protection  design of the fuse link  • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) - with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  +/-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 230 V rated value	2 hp
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 10 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 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 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 short-circuit protection of the auxiliary switch required  • for short-circuit protection of the auxiliary switch required  • for short-ci	• for 3-phase AC motor	
- at 460/480 V rated value	— at 200/208 V rated value	3 hp
- 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  • for short-circuit protection of the auxiliary switch required  for short-circuit protection of the auxiliary switch required  gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)  gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 220/230 V rated value	3 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  — 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  #/-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 460/480 V rated value	7.5 hp
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  Installation/ mounting/ dimensions  #/-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 575/600 V rated value	10 hp
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  #/-180° rotation possible on vertical mounting surface; can be tilted forward and	contact rating of auxiliary contacts according to UL	A600 / Q600
<ul> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>— for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>— with type of assignment 2 required</li> <li>— German A. (690V, 100kA), aM: 20A (690V, 100kA), aM: 16A (690V, 100kA), aM: 16A (690V, 100kA), aM: 20A (415V, 80kA)</li> <li>— With type of assignment 2 required</li> <li>— German A. (500 V, 1 kA)</li> </ul>	Short-circuit protection	
— with type of coordination 1 required gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) — with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  +/-180° rotation possible on vertical mounting surface; can be tilted forward and	design of the fuse link	
— with type of assignment 2 required gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)  • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and	<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
• for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA)  Installation/ mounting/ dimensions  mounting position  +/-180° rotation possible on vertical mounting surface; can be tilted forward and	— with type of coordination 1 required	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
Installation/ mounting/ dimensions  mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and	— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and	• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
	Installation/ mounting/ dimensions	
backward by +/- 22.5° on vertical mounting surface	mounting position	
		backward by +/- 22.5° on vertical mounting surface

fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
side-by-side mounting	Yes
height	58 mm
width	45 mm
depth	117 mm
•	117 111111
required spacing	
with side-by-side mounting	10 mm
— forwards	
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	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
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	, , , , , , , , , , , , , , , , , , ,
• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	0.5 2.5 11111
solid or stranded	0.5 4 mm²
	0.5 4 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
finely stranded with core end processing	U.S 2.5 IIIII
type of connectable conductor cross-sections	
for auxiliary contacts	0.40 - 4 - 0.00 40 - 0.00 40 - 0.00
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 2x 12
AWG number as coded connectable conductor cross section	
• for main contacts	20 12
	20 12
for auxiliary contacts  Sofety related data.	20 12
Safety related data	
product function	V
mirror contact according to IEC 60947-4-1	Yes
positively driven operation according to IEC 60947-5-1	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 %
with high demand rate according to SN 31920	73 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	

Yes

#### Certificates/ approvals

### General Product Approval



Confirmation





**KC** 



**EMC** 

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

**Test Certificates** 



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping

other

Railway

**Dangerous Good** 

**Environment** 



Confirmation



Vibration and Shock

**Transport Information** 

Environmental Confirmations

#### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT2017-1FB44-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-1FB44-3MA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1FB44-3MA0

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

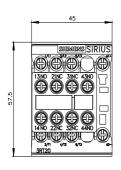
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-1FB44-3MA0\&lang=en}}$ 

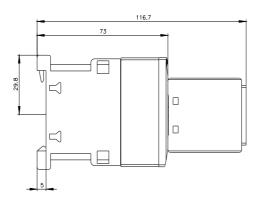
Characteristic: Tripping characteristics, I2t, Let-through current

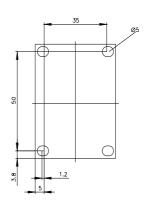
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-1FB44-3MA0/char

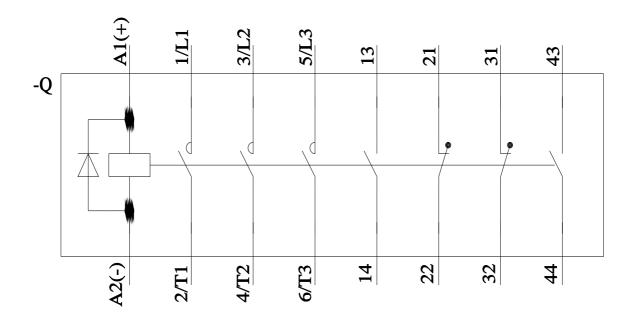
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-1FB44-3MA0&objecttype=14&gridview=view1









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2/10/2023

