SIEMENS

Data sheet 3RT2015-1HB41



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.7-1.25* Us, auxiliary contacts: 1 NO, screw terminal, size: S00, suitable for PLC outputs, not expandable with auxiliary switch

product brand name	SIRIUS
product designation	Coupling contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
auxiliary switch	No
power loss [W] for rated value of the current	
 at AC in hot operating state 	0.6 W
 at AC in hot operating state per pole 	0.2 W
without load current share typical	2.8 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
of main circuit rated value	6 kV
of auxiliary circuit rated value	6 kV
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	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Weight	0.296 kg
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 %
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	153 kg

Global Warming Potential [CO2 eq] during manufacturing	1.42 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	152 kg
Global Warming Potential [CO2 eq] after end of life	-0.305 kg
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	18 A
value	
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	18 A
— up to 690 V at ambient temperature 60 °C rated	16 A
value	
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
• at AC-5a up to 690 V rated value	15.8 A
• at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	4 A
 up to 400 V for current peak value n=20 rated value 	4 A
 up to 500 V for current peak value n=20 rated value 	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
— up to 500 V for current peak value n=30 rated value	2.5 A
— up to 690 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated	2.4 A 2.5 mm ²
value	2.5 (((()))
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
with 3 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A

	— at 110 V rated value	15 A
- at 1500 V frated value	— at 220 V rated value	15 A
a 12 current path at DC-3 at DC-3	— at 440 V rated value	0.9 A
	— at 600 V rated value	0.7 A
	• at 1 current path at DC-3 at DC-5	
with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 00 V rated value — at 10 V rated value — at 25 V rated value — at 26 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 50 V rated value — at 50 V rated value — at 20 V rated value — at 50 V rated value — at 50 V rated value — at 60 V rat	— at 24 V rated value	15 A
	— at 60 V rated value	0.35 A
	 with 2 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	15 A
with 3 current paths in series at DC-3 at DC-5	— at 60 V rated value	3.5 A
	— at 110 V rated value	0.25 A
	 with 3 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	15 A
	— at 60 V rated value	15 A
	— at 110 V rated value	15 A
porating power	— at 220 V rated value	1.2 A
A C-3	— at 440 V rated value	0.14 A
A C-3	— at 600 V rated value	0.14 A
- at 230 V rated value		
- at 400 V rated value		1.5 kW
at 500 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 400 V rated value at 400 V rated value at 400 V rated value at 690 V rated value at		
at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 1.15 kW • at 690 V rated value 1.15 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 20		1.5 kW
at 500 V rated value		
operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 1.15 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak		
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up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilimited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited	• at 690 V rated value	1.15 kW
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• up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at z	• up to 400 V for current peak value n=20 rated value	2.7 kVA
operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching	• up to 500 V for current peak value n=20 rated value	3.3 kVA
• up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 rated value • limited to 60 s switching at zero current maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum	• up to 690 V for current peak value n=20 rated value	4.3 kVA
• up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • limited to 1 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • at AC-1 rated value • limited to 60 s switching at zero current maximum • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum		
up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value limited to 1 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 80 s switching at zero current maximum limited to 80 s switching at zero current maximum limited to 80 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching frequency at DC 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-3 maximum 750 1/h at AC-4 maximum 750 1/h Total Control Circuit/ Control type of voltage of the control supply voltage DC		1 kVA
up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilimited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum standard to 10 s switching at zero current maximum limited to 60 s switchin	·	
• up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum 10 000 1/h operating frequency • at DC • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-4 maximum	·	
short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum • limited to 60 s switching at zero current maximum 10 000 1/h operating frequency • at DC 10 000 1/h • at AC-1 maximum 1000 1/h • at AC-2 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-4 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-4 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-4 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-3 maximum 1000 1/h • at AC-4 maximum 1000 1/h • at AC-5 maximum 1000 1/h • at AC-6 maximum 1000 1/h • at AC-9 maximum 1000 1/h		
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum A; Use minimum cross-section acc. to AC-1 rated value A; Use minimum cross-section acc. to AC-1 rated value A; Use minimum cross-section acc. to AC-1 rated value 10 000 1/h 10 000 1/h at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-50 1/h at AC-4 maximum at AC-50 1/h at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 to 1/h at AC-9 to 1/h at AC-1 maximum at AC-3 maximum at AC-4 maximum at AC-50 1/h at AC-50 to 1/h at AC-6 to 1/h at AC-7 maximum at AC-8 maximum at AC-9 to 1/h at	short-time withstand current in cold operating state up to	
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at DC at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 ma	 limited to 1 s switching at zero current maximum 	120 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at DC at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 ma	 limited to 5 s switching at zero current maximum 	86 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 no-load switching frequency at DC 10 000 1/h operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum ot AC-4 maximum ot AC-5 maximum ot AC-6 maximum ot AC-7 maximum ot AC-8 maximum ot AC-9 maximum	• limited to 10 s switching at zero current maximum	
• limited to 60 s switching at zero current maximum no-load switching frequency • at DC 10 000 1/h operating frequency • at AC-1 maximum 1 000 1/h • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum 750 1/h • at AC-4 maximum 750 1/h • at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage DC		
no-load switching frequency • at DC 10 000 1/h operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3e maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage DC		
● at DC operating frequency ● at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3e maximum • at AC-4 maximum • at AC-4 maximum control circuit/ Control type of voltage of the control supply voltage DC	-	
operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3e maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage DC		10 000 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3e maximum at AC-4 maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage DC 		
at AC-3 maximum at AC-3e maximum at AC-4 maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage DC		1 000 1/h
at AC-3 maximum at AC-3e maximum at AC-4 maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage DC		
at AC-3e maximum at AC-4 maximum 250 1/h Control circuit/ Control type of voltage of the control supply voltage DC		
• at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage DC		
Control circuit/ Control type of voltage of the control supply voltage DC		
type of voltage of the control supply voltage DC		
		DC
Control Supply Foliage at Do lated Faide		
	control supply voltage at Do lateu value	L7 V

operating range factor control supply voltage rated value of magnet coil at CC		
Full scalar value		
• full-scale value 1,25 closing power of magnet coll at DC 2,8 W holding power of magnet coll at DC 2,8 W closing delay		0.7
Acid Incomp power of magnet coll at DC		
bolding power of magnet coil at DC 2.8 W		
Color Colo		
## IDC opening debty ## IDC arcing time for the switch operating mechanism Standard A1 - A2 Austracy circuit number of No contacts for auxiliary contacts instantaneous contact		2.0 VV
Section Sect		25 120 mg
## CP		25 130 1115
arcing time		7 20 me
Auxiliary circuit		
Ausiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 0 10 A operational current at AC-15 * at 230 V rated value * at 600 V rated value		
number of NO 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 AC-15 • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 800 V rated value • a		Cidilidara 717 712
Department current at AC-12 maximum 10 A		1
10 A 1230 V rated value		'
• at 230 V rated value	operational current at AC-12 maximum	10 A
• at 400 V rated value	operational current at AC-15	
• at 500 V rated value 1A • at 600 V rated value 1A • at 600 V rated value 1D-12 • at 24 V rated value 6A • at 48 V rated value 6A • at 48 V rated value 6A • at 110 V rated value 3A • at 125 V rated value 1A • at 125 V rated value 1A • at 600 V rated value 1A • at 125 V rated value 1A • at 60 V rated value 1A • at 125 V rated value 2A • at 125 V rated value 1A • at 125 V rated value 1A • at 220 V rated value 2A • at 125 V rated value 2A • at 125 V rated value 1A • at 125 V rated value	• at 230 V rated value	10 A
• at 690 V rated value • at 240 V rated value • at 240 V rated value • at 350 V rated value • at 350 V rated value • at 150 V rated value • at 150 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 350 V rated value • at 250 V rated value • at 250 V rated value • at 260 V rated value • at 360 V rated value • at 360 V rated value • at 360 V rated value • at 125 V rated value • at 220 V rated value • at 360 V rated value • at 480 V rated value • at 480 V rated value • at 250 V rated value • at 350 V rated value • at 3	• 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	
e at 60 V rated value e at 110 V rated value 2 A at 110 V rated value 2 A at 125 V rated value 1 A at 220 V rated value 2 A at 600 V rated value 0.15 A operational current at DC-13 e at 48 V rated value 2 A at 48 V rated value 2 A e at 60 V rated value 2 A e at 60 V rated value 2 A e at 60 V rated value 3 A e at 125 V rated value 4 A e at 125 V rated value 9 A e at 125 V rated value 9 A e at 125 V rated value 9 A e at 220 V rated value 9 A e at 600 V rated value 9 A e 15 A e 15 A e 17 A e 17 A e 17 A e 18 A e 1	at 24 V rated value	10 A
at 110 V rated value	at 48 V rated value	6 A
at 125 V rated value	at 60 V rated value	6 A
• at 220 V rated value	• at 110 V rated value	3 A
• at 600 V rated value	• at 125 V rated value	2 A
e at 24 V rated value 2A at 48 V rated value 2A at 60 V rated value 2A at 60 V rated value 2A at 110 V rated value 3A at 125 V rated value 4A at 600 V rated value 5A at 600 V rated value 4A at 600 V rated value 5A at 600 V rated value 5A at 600 V rated value 5A at 600 V rated value 6A at 600 V rated value 7A at 604 V rated value 7A at 74 at 200/28 V rated value 7A at 60/480 V rated value	• at 220 V rated value	1 A
at 24 V rated value at 48 V rated value 2 A at 60 V rated value 2 A at 110 V rated value 3 1 A at 125 V rated value 3 1 A at 125 V rated value 3 1 A at 125 V rated value 3 1 A at 60 V rated value 3 1 A at 60 V rated value 3 1 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 4 1 480 V rated value 4 8 A 4 8 A 4 1 600 V rated value 9 1 For single-phase AC motor 4 1 10 1/12 V rated value 7 1 10 1/12 V rated value 9 1 67 3-phase AC motor 4 1 200/208 V rated value 9 1 5 hp 4 67 3-phase AC motor 4 1 200/208 V rated value 9 1 5 hp 4 60 480 V rated value 9 1 5 hp 4 60 7 3-phase AC motor 4 1 200/208 V rated value 9 1 5 hp 4 60 7 3-phase AC motor 4 1 200/208 V rated value 9 1 5 hp 4 60 7 3-phase AC motor 4 1 576/600 V rated value 9 1 5 hp 4 60 7 8 phase AC motor 6 1 5 hp 6 1 5 hp 6 1 5 hp 7 6 rotact rating of auxiliary contacts according to UL 8 1 5 hp 7 6 short-circuit protection design of the fuse link 9 6 or short-circuit protection of the main circuit 9 2 3 5 A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 5 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9 3 C 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) 9	• at 600 V rated value	0.15 A
at 48 V rated value at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 220 V rated value at 20 V rated value at 800 V rated value at 600 V rated value before single-phase AC motor at 110/120 V rated value at 220 V rated value at 230 V rated value befor 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 220/230 V rated value at 250/230 V rated value at 460/480 V rated value at 6575/600 V rated value at 675/600 V rated value at 6756/600 V rated value at 660 V 6600 Short-circuit protection design of the fuse link befor short-circuit protection of the main circuit with type of assignment 2 required befor short-circuit protection of the auxiliary switch required with type of assignment 2 required befor short-circuit protection of the auxiliary switch required before short-circuit protection of the auxiliary switch required with type of assignment 2 required before short-circuit protection of the auxiliary switch r	operational current at DC-13	
at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value 0.9 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 4.8 A at 600 V rated value 5.1 A yielded mechanical performance [hp] for single-phase AC motor at 1200 V rated value 0.25 hp at 230 V rated value 0.75 hp for 3-phase AC motor at 2200/230 V rated value 2 hp at 460/480 V rated value 3 hp at 575/600 V rated value 3 hp at 575/600 V rated value 3 hp worth of short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection for the auxiliary switch required with short-circuit protection for the auxiliary switch required worth of short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required worth of short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required worth of short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required worth of short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required for short-circuit protection of the auxiliary switch required for short-circuit protection for the auxiliary switch required for short-circuit protection for the auxiliary switch required for short-circuit protection of the auxiliary switch requi	at 24 V rated value	10 A
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value 0.1 A contact reliability of auxiliary contacts UL/CSA 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 be for single-phase AC motor at 10/120 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 260/600 V rated value at 460/480 V rated value at 575/600 V rated value by 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 gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (890V,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 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value 0.1 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 80 V rated value at 80 V rated value at 80 V rated value i for single-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 200/208 V rated value - at 200/208 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 600 V rated value - at 757/600 V rated value - at 757/600 V rated value - at 800 V rated value - at 800 V rated value - at 800 V rated value - at 95 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 sasignment 2 required - of or short-circuit protection of the auxiliary switch required protection for short-circuit protection of the auxiliary switch required gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (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 60 V rated value	2 A
at 220 V rated value at 600 V rated value 20.1 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 at 600 V rated value at 60.1 A yielded mechanical performance [hp] for single-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 220/238 V rated value at 480/480 V rated value bf 67 3-phase AC motor at 220/230 V rated value at 480/480 V rated value at 480/480 V rated value bf 680 V rated value at 480/480 V rated value bf 78 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	• at 110 V rated value	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 at 600 V rated value 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 220/230 V rated value at 60/480 V rated value at 60/480 V rated value at 575/600 V rated value at 575/600 V rated value which type of coordination 1 required with type of coordination 1 required which type of sasignment 2 required for short-circuit protection of the main circuit with type of sasignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of t	• at 125 V rated value	0.9 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 • at 600 V rated value • at 600 V rated value • 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 • for 3-phase AC motor — at 200/208 V rated value • at 220/230 V rated value — at 220/230 V rated value — at 675/600 V rated value — at 575/600 V rated value — at 575/600 V rated value	at 220 V rated value	0.3 A
### Total Current (FLA) for 3-phase AC motor at 480 V rated value	• 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 • for single-phase AC motor — at 110/120 V rated value • for sa-phase AC motor — at 230 V rated value • for 3-phase AC motor — at 200/280 V rated value • for 3-phase AC motor — at 220/230 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 575/600 V rated value — at 575/600 V rated value — at 575/600 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 • 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 for single-phase AC motor at 110/120 V rated value 0.25 hp at 230 V rated value of or 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 460/480 V rated value at 575/600 V rated value bhp at 575/600 V rated value bhp 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: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) gG: 10 A (500 V, 1 kA) 	UL/CSA ratings	
at 600 V rated value yielded mechanical performance [hp] o for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 230 V rated value o.75 hp o for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 420/230 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 Short-circuit protection design of the fuse link o for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required o for short-circuit protection of the auxiliary switch required o for short-circuit protection of the auxiliary switch required of short-circuit protection of the auxilia	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 • 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 **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-ci	• at 480 V rated value	4.8 A
• for single-phase AC motor — at 110/120 V rated value — at 230 V rated value — at 200/208 V rated value — 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 — with grotection 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 req	• at 600 V rated value	6.1 A
- at 110/120 V rated value - at 230 V rated value 0.75 hp • for 3-phase AC motor - at 200/208 V rated value 1.5 hp - at 220/230 V rated value 2 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 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 auxil	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 5 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 Installation/ mounting/ dimensions mounting position • for 35 hp 2 hp 2 hp 3 hp 4600 / Q600 Short-circuit protection gG: 35A (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 Installation/ mounting/ dimensions mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and	• for single-phase AC motor	
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 — b hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link — with type of coordination 1 required — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required — for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position 1.5 hp 1.5 hp 4.600 1.5 hp 1.600 1.600 4.6	— at 110/120 V rated value	0.25 hp
- at 200/208 V rated value - at 220/230 V rated value 2 hp - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 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 of the fuse link * for short-circuit protection of the main circuit - with type of assignment 2 required of the fuse link * for short-circuit protection of the auxiliary switch required of the fuse link * 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 switc	— at 230 V rated value	0.75 hp
- at 220/230 V rated value - at 460/480 V rated value 3 hp - at 575/600 V rated value 5 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 wounting position 2 hp 4600 / Q600 A600 / Q600 Ge: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,80kA) gG: 10 A (500 V, 1 kA) ##-180° rotation possible on vertical mounting surface; can be tilted forward and	• for 3-phase AC motor	
- at 460/480 V rated value - at 575/600 V rated value 5 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 G: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) G: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) G: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions H-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 200/208 V rated value	1.5 hp
- at 575/600 V rated value 5 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: 35A (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 mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and	— at 220/230 V rated value	2 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 of or short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) 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	— at 460/480 V rated value	3 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 gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) 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	— at 575/600 V rated value	5 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
 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 Installation/ mounting/ dimensions — with type of assignment 2 required — gG: 35A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA) — gG: 10 A (500 V, 1 kA) 	Short-circuit protection	
— with type of coordination 1 required gG: 35A (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) 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	• for short-circuit protection of the main circuit	
— 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	•	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (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	— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
Installation/ mounting/ dimensions ##-180° rotation possible on vertical mounting surface; can be tilted forward and		
mounting position +/-180° rotation possible on vertical mounting surface; can be tilted forward and		
		+/-180° rotation possible on vertical mounting surface; can be tilted forward and

fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	58 mm
width	45 mm
depth	73 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	
— 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
 for auxiliary and control circuit 	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)
for AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	0.5 42
• solid	0.5 4 mm ²
stranded finely attended with core and processing.	0.5 4 mm ²
inely stranded with core end processing connectable conductor cross-section for auxiliary contacts	0.5 2.5 mm ²
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm ²
type of connectable conductor cross-sections	5.5 <u>2.5 min</u>
for auxiliary contacts	
— 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
for auxiliary contacts	20 12
Safety related data	
product function	
• mirror contact according to IEC 60947-4-1	No
positively driven operation according to IEC 60947-5-1	No
suitable for safety function - suitability for your affect and suitability OFF. - suitability of your affect and suitability OFF. - suit	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	40.9/
with low demand rate according to SN 31920 with high demand rate according to SN 31920	40 % 73 %
with high demand rate according to SN 31920 R10 value with high demand rate according to SN 31920	
B10 value with high demand rate according to SN 31920	1 000 000

failure rate [FIT] with low demand rate according to SN 31920	100 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
IEC 61508	
safety device type according to IEC 61508-2	Type A
Electrical Safety	
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
Approvals Certificates	

General Product Approval







Confirmation



<u>KC</u>

General Product Ap-

EMV

Test Certificates

Marine / Shipping





Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report





Marine / Shipping













Miscellaneous

other

other

Railway

Dangerous goods

Environment

Confirmation

Special Test Certific-<u>ate</u>

Transport Information



Environmental Confirmations

Further information

Information on the packaging

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

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=3RT2015-1HB41

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1HB41

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1HB41

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

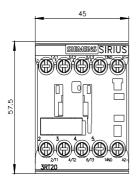
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1HB41&lang=en

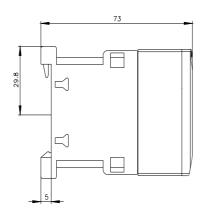
Characteristic: Tripping characteristics, I2t, Let-through current

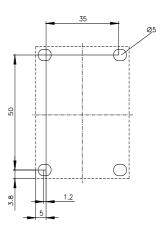
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1HB41/char

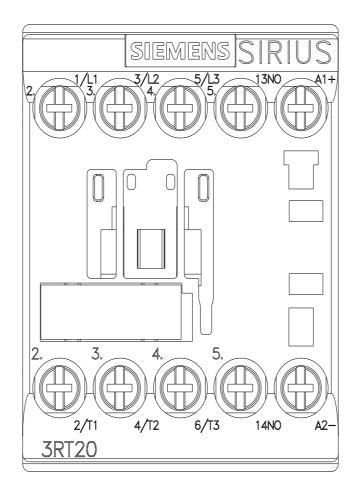
Further characteristics (e.g. electrical endurance, switching frequency)

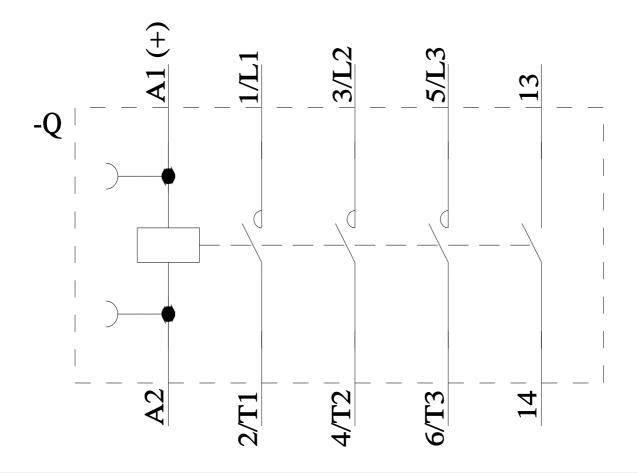
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1HB41&objecttype=14&gridview=view1











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