SIEMENS

Data sheet 3RT2035-1NP30



power contactor, AC-3 40 A, 18.5 kW / 400 V 1 NO + 1 NC, AC / DC 175-280 V, with varistor, 3-pole, Size S2, screw terminal

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT2	
General technical data		
size of contactor	S2	
product extension		
 function module for communication 	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	6.6 W	
 at AC in hot operating state per pole 	2.2 W	
 without load current share typical 	2 W	
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 safe isolation between coil and main contacts according to EN 60947-1	400 V	
shock resistance at rectangular impulse		
• at AC	7.7g / 5 ms, 4.5g / 10 ms	
• at DC	7.7g / 5 ms, 4.5g / 10 ms	
shock resistance with sine pulse		
• at AC	12g / 5 ms, 7g / 10 ms	
• at DC	12g / 5 ms, 7g / 10 ms	
mechanical service life (switching cycles)		
 of contactor typical 	10 000 000	
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000	
 of the contactor with added auxiliary switch block typical 	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	10/01/2014	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
during operation	-25 +60 °C	
during storage	-55 +80 °C	
relative humidity minimum	10 %	
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %	

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 	60 A
rated value	
• at AC-1	00.4
 up to 690 V at ambient temperature 40 °C rated value 	60 A
— up to 690 V at ambient temperature 60 °C	55 A
rated value	00 / L
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
 at AC-4 at 400 V rated value 	35 A
 at AC-5a up to 690 V rated value 	52.8 A
 at AC-5b up to 400 V rated value 	33.2 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated	36.5 A
value	
 up to 400 V for current peak value n=20 rated value 	36.5 A
up to 500 V for current peak value n=20 rated	36.5 A
value	30.3 A
— up to 690 V for current peak value n=20 rated	24 A
value	
• at AC-6a	
 up to 230 V for current peak value n=30 rated 	24.2 A
value	
— up to 400 V for current peak value n=30 rated	24.2 A
value	24.2.4
 up to 500 V for current peak value n=30 rated value 	24.2 A
up to 690 V for current peak value n=30 rated	24 A
value	277
minimum cross-section in main circuit at maximum AC-1	16 mm²
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	22 A
at 690 V rated value	18.5 A
operational current	
• at 1 current path at DC-1	55.4
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 at 24 V rated value 	55 A
— at 24 v rated value — at 110 V rated value	55 A 45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 440 V rated value — at 600 V rated value	1 A 0.8 A
	0.0 A
 with 3 current paths in series at DC-1 at 24 V rated value 	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 220 v rateu value	TOTA

** at 1 current path at DC-3 at DC-5	— at 440 V rated value	2.9 A
	— at 600 V rated value	1.4 A
	 at 1 current path at DC-3 at DC-5 	
	— at 24 V rated value	35 A
	— at 220 V rated value	1 A
• with 2 current paths in series at DC-3 at DC-5 — al 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 110 V rated value — at 120 V rated value — at 230 V rated value — at 400 V rated value — at 600 V rated val	— at 440 V rated value	0.1 A
	— at 600 V rated value	0.06 A
	 with 2 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	55 A
	— at 110 V rated value	25 A
	— at 220 V rated value	5 A
	— at 440 V rated value	0.27 A
- with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - at 220 V rated value - at 200 V rated value - at 800 V rated value - at 800 V rated value - at 800 V rated value - at 40.0 V rated value - at 40.0 V rated value - at 900 V rated v		
	-	55 A
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• at AC-3		19.5 kW
- at 230 V rated value - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 230 V rated value - at 400 V rated value - at 690 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 500 V for current peak value n=20 rated value - up to 500 V for current peak value n=30 rated value - up to 5		TO.O NAA
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• 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 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 no-load switching frequency • at AC • 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 world circuit/ Control type of voltage of the control supply voltage 28.6 kVA 28.6 kVA 28.6 kVA 843 A; Use minimum cross-section acc. to AC-1 rated value 400 A; Use minimum cross-section acc. to AC-1 rated value 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1		
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 30 s switching at zero current maximum • limited to 60 s switching at zero current maximum no-load switching frequency • at AC • at DC • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-7 control circuit/ Control type of voltage of the control supply voltage	·	
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 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 no-load switching frequency • at AC • at DC • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 e maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 control supply voltage	·	28.0 KVA
 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 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 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 241 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. 196 A; Use minimum cross-section acc. 196 A; Use minimum cross-section acc. 		
 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 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 AC at DC 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-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-1 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3	•	843 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 AC at DC at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 e maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-5 most num at AC-6 most num at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-5 maximum at AC-1 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC	_	
 limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC at DC 1 500 1/h operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3e maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-4 maximum at AC-6 maximum at AC-7 maximum at AC-8 maximum at AC-9 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3e maximum at AC-3e maximum at AC-4 maximum AC-1 maximum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 196 A; Use minimum cross-section acc. to AC-1 rated value 1500 1/h 1500 1/h 1000 1/h 		
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no-load switching frequency	e e e e e e e e e e e e e e e e e e e	
 at AC at DC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum other AC-4 maximum other AC-4 maximum other AC-4 maximum other AC-4 maximum ather AC-4 maximum at		130 A, OSE HIMIMIUM GIOSS-SECTION ACC. TO AC-1 Tateu value
 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 ot AC-4 maximum ot AC-4 maximum ot AC-6 maximum ot AC-7 maximum ot AC-8 maximum ot AC-9 maximum ot AC-9 maximum ot AC-1 maximum ot AC-1		1 500 1/b
operating frequency 1 200 1/h • at AC-1 maximum 750 1/h • at AC-3 maximum 1 000 1/h • at AC-3e maximum 1 000 1/h • at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC/DC		
 at AC-1 maximum at AC-2 maximum at AC-3 maximum 1 000 1/h at AC-3e maximum 1 000 1/h at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC/DC 		1 500 1/11
 at AC-2 maximum at AC-3 maximum at AC-3e maximum at AC-3e maximum at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC/DC		1 200 1/h
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• at AC-3e maximum • at AC-4 maximum • at AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage AC/DC		
at AC-4 maximum 300 1/h Control circuit/ Control type of voltage of the control supply voltage AC/DC		
Control circuit/ Control type of voltage of the control supply voltage AC/DC		
type of voltage of the control supply voltage AC/DC		300 1/n
	Control circuit/ Control	
control supply voltage at AC	type of voltage of the control supply voltage	AC/DC
· · · · · · · · · · · · · · · · · · ·	control supply voltage at AC	

 at 50 Hz rated value 	175 280 V
at 60 Hz rated value	175 280 V
control supply voltage at DC	
rated value	175 280 V
operating range factor control supply voltage rated	
value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
	0.8 1.1
• at 60 Hz	
design of the surge suppressor	with varistor
inrush current peak	5 A
duration of inrush current peak	30 μs
locked-rotor current mean value	0.2 A
locked-rotor current peak	0.42 A
duration of locked-rotor current	230 ms
holding current mean value	6 mA
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
● at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	23 W
holding power of magnet coil at DC	1 W
closing delay	1 VV
• at AC	35 110 ms
• at DC	35 110 ms
	35 110 IIIS
opening delay	20
• at AC	30 55 ms
• at DC	30 55 ms
arcing time	10 20 ms
arcing time control version of the switch operating mechanism	
arcing time	10 20 ms
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	10 20 ms
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value	10 20 ms Standard A1 - A2
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 60 V rated value • at 610 V rated value • at 110 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • 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	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 2 A 1 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 7 A 8 A 8 A 9 A 1 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 120 V rated value at 600 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 220 V rated value at 600 V rated value at 220 V rated value	10 20 ms Standard A1 - A2 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 10 A 10 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 24 V rated value • at 220 V rated value • at 24 V rated value • at 48 V rated value • at 24 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7 A 7
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 1 A 0.15 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 220 V rated value at 600 V rated value at 48 V rated value at 410 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 48 V rated value at 600 V rated value at 600 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 125 V rated value at 127 V rated value at 128 V rated value at 129 V rated value at 129 V rated value at 120 V rated value at 125 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A 0.1 A
arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value operational current at DC-12 at 24 V rated value at 48 V rated value at 48 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 25 V rated value at 27 V rated value at 28 V rated value at 48 V rated value at 49 V rated value at 49 V rated value at 40 V rated value	10 20 ms Standard A1 - A2 1 1 1 10 A 10 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A 2 A 2 A 1 A 0.9 A 0.3 A

** all 400 V ritide value ** all 400 V ritid	full lead assessed (FLA) for 0 mb and AO mades	
violated reclaimance (hg)	full-load current (FLA) for 3-phase AC motor	40.4
yielded mechanical performance (pp) • for single-phase AC motor — at 101/20 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 200/208 V rated value — at 200/208 V rated value — at 200/209 V rated value — at 575/900 V rated value — with type of assignment 2 required — with type of assignment 2 required — with type of assignment 2 required — or short-circuit protection of the auxiliary switch required — or 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 • side-by-side mounting • side-by-side mounting • with side-by-side mo		
of single-phase AC motor		41 A
al 101/120 V rated value al 220/230 V rated value al 220/230 V rated value al 220/230 V rated value al 420/230 V rated value al 420/230 V rated value al 40/800 V rated value al 575/800 V rated value al 40/800 V rated value al 40/800 V rated value al 575/800 V rated value al 40/800 V rated value with type of assignment 2 required for bent-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch side by side mounting by the auxiliary switch side by side mounting side by side mounting with side by-side mo		
at 230 V rated value of 3-Phose AC motor at 200208 V rated value at 200208 V rated value at 575900 V rated value with value with value (asign of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required	3 1	
of a 3-phase AC motor		·
		7.5 hp
	·	
		·
		·
contact rating of auxillary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of conditation 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 spacing • state-ing method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • forwards • of orgrounded parts • for grounded parts • for grounded parts • for grounded parts • for wards • for live parts • forwards • for live parts • for wards • for live parts • for main current circuit • for forminals * for auxiliary contacts • of magnet coil * type of connectable conductor cross-section for main contacts • connectable conductor cross-section for main contacts • sold or stranded		
Short-circuit protection design of the fuse link of short-circuit protection of the main circuit with type of coordination 1 required view type of assignment 2 required of short-circuit protection of the auxiliary switch required of short-circuit protection of the auxiliary switch required of short-circuit protection of the auxiliary switch required view type of assignment 2 required view type of assignment 2 required view type of assignment 2 required view type of assignment 3 view type of assignment 3 view type of assignment 3 view type of assignment 4 view type of a view type terminals view type of a view type terminals view t		·
design of the fuse link		A600 / P600
• for short-diroutly protection of the main circuit with type of coordination 1 required with type of assignment 2 required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required • for short-diroutly protection of the auxiliary switch required	Short-circuit protection	
- with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required installation mounting dimensions mounting position ##-180" rotation possible on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mounting surface; can be titled forward and backward by #-2.25" on vertical mou	design of the fuse link	
- with type of assignment 2 required for short-circuit protection of the auxillary switch required for short-circuit protection of the auxillary switch required for short-circuit protection of the auxillary switch required mounting position fastening method side-by-side mounting height with side-by-side mounting - forwards - upwards - upwards - at the side - downwards - upwards - to for grounded parts - for vive parts - for wards - upwards - upwards - to fire it we parts - for wards - upwards - downwards - upwards - the side - downwards - the side - downwards - to fire it we parts - for it we parts - for fire parts - for fire parts - for fire parts - ownwards - at the side - at the side - downwards - the side - for fire parts - for fire par	 for short-circuit protection of the main circuit 	
- with type of assignment 2 required	 — with type of coordination 1 required 	
• for short-circuit protection of the auxiliary switch required Installation/ mounting / dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • for grounded parts — of ownwards — at the side — downwards — of ro live parts — for live parts — of ownwards — at the side — downwards — of main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for main current circuit • for for main controls • for main controlates • for main controlates • for main contacts • for mely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • solid or stranded		. ,
required mounting/dimensions mounting position fastening method		
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mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards downwards down	·	
fastening method side-by-side mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 • side-by-side mounting		
astening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — downwards — at the side — downwards — at the side — downwards — at the side — downwards — 10 mm — torvards — 10 mm • for grounded parts — forwards — 10 mm • for grounded parts — forwards — 10 mm • for grounded parts — forwards — 10 mm • for grounded parts — forwards — 10 mm • for grounded parts — forwards — 10 mm • for five parts — downwards — 10 mm • for live parts — forwards — 10 mm • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for main current circuit • for familiary and control circuit • at contactor for auxiliary contacts • of magnet coll type of connectable conductor cross-section for main contacts • finely stranded with core end processing onnectable conductor cross-section for main contacts • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • solid or stranded • solid or stranded • finely stranded with core end processing onnectable conductor cross-section for auxiliary contacts • solid or stranded • solid or stranded 0.5 2.5 mm² 135 mm² 0.5 2.5 mm²	mounting position	
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* side-by-side mounting	rasterning method	
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depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — ownwards — ownwards — ownwards — upwards — ownwards — ownwards — ownwards — ownwards — to for live parts — forwards — forwards — forwards — upwards — 10 mm — ownwards • for live parts — forwards — upwards — upwards — to mm — at the side — ownwards — upwards — ownwards — to mm • for main current circuit • for auxiliary and control circuit • of or auxiliary and control cross-sections • for main current circuit • at contactor for auxiliary contacts — solid or stranded — finely stranded with core end processing • onnectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded •	-	55 mm
equired spacing • with side-by-side mounting — forwards — upwards — at the side • for grounded parts — forwards — upwards — the side • for grounded parts — forwards — upwards — the side • for grounded parts — forwards — upwards — the side — downwards — 10 mm — at the side — for mm — downwards — the side — for live parts — forwards — upwards — the side — for main current circuit • for awailary and control circuit • for awailary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main current direction • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • for linely stranded with core end processing • finely stranded • finel		
with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — upwards — upwards — at the side — downwards — upwards — at the side — downwards — of rive parts — for live parts — forwards — upwards — of ownwards — of ownwards — upwards — upwards — upwards — upwards — of ownwards — upwards — under the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • solid or str	•	
- forwards - upwards - downwards - downwards - at the side - for grounded parts - forwards - upwards - forwards - upwards - at the side - downwards - at the side - downwards - at the side - downwards - for live parts - forwards - for live parts - forwards - upwards - downwards - upwards - downwards - downwards - downwards - at the side - formain current circuit - for auxiliary and control circuit - for auxiliary and control circuit - for auxiliary and control circuit - screw-type terminals - screw-ty		
- upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - forwards - upwards - downwards - downwards - at the side - downwards - at the side - forwards - upwards - upwards - at the side - formands - upwards - at the side - formands - to main current circuit - for auxiliary and control circuit - for auxiliary and control circuit - of magnet coil - for main contacts - solid or stranded - finely stranded with core end processing - at AWG cables for main contacts - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded	, ,	10 mm
- downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - forwards - upwards - forwards - upwards - forwards - upwards - downwards - at the side - downwards - at the side - formands - upwards - at the side - formands - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded		10 mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards 10 mm • for live parts - forwards - upwards - upwards - upwards 10 mm - upwards - downwards 10 mm - downwards - at the side • form - connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for main contacts - solid or stranded - finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded	•	10 mm
• for grounded parts — forwards — upwards — at the side — downwards — 10 mm • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — downwards — 10 mm — downwards — 10 mm — downwards — at the side — 6 mm Connections/ Terminals type of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • solid or stranded • O.5 2.5 mm²	— at the side	
- forwards 10 mm - upwards 6 mm - at the side 6 mm - downwards 10 mm • for live parts - forwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • of main contacts - solid or stranded 2x (1 35 mm²), 1x (1 35 mm²) • at AWG cables for main contacts - finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm²		
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forwards		10 mm
forwards	for live parts	
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for main contacts • for main contacts - solid or stranded - finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • solid or stranded • solid or stranded • finely stranded with core end processing • solid or stranded with core end processing • solid or stranded	•	10 mm
- downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded		
- at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm²	•	
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded • solid or stranded • solid or stranded • solid or stranded		
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections • for main contacts — solid or stranded • at AWG cables for main contacts • finely stranded with core end processing • solid or stranded • for main contacts • solid or stranded • solid or stranded • solid or stranded		
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 at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections of or main contacts — solid or stranded — finely stranded with core end processing of at AWG cables for main contacts of finely stranded with core end processing of finely stranded of main contacts of main co		
 ◆ of magnet coil type of connectable conductor cross-sections ◆ for main contacts — solid or stranded — finely stranded with core end processing ◆ at AWG cables for main contacts ◆ finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded Screw-type terminals 2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 		
type of connectable conductor cross-sections		
 for main contacts — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • solid or stranded • solid or stranded	<u> </u>	Section type terminals
 — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded 2x (1 35 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 1 35 mm² 0 .5 2.5 mm² 		
 — finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded 2x (1 25 mm²), 1x (1 35 mm²) 2x (18 2), 1x (18 1) 35 mm² 0.5 2.5 mm² 0.5 2.5 mm²		2x (1 35 mm²), 1x (1 50 mm²)
 at AWG cables for main contacts connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded 2x (18 2), 1x (18 1) 1 35 mm² 0.5 2.5 mm² 		
connectable conductor cross-section for main contacts • finely stranded with core end processing 1 35 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm²		
contacts		(. · · · · · ·)
 ◆ finely stranded with core end processing connectable conductor cross-section for auxiliary contacts ◆ solid or stranded 1 35 mm² 0.5 2.5 mm² 		
connectable conductor cross-section for auxiliary contacts • solid or stranded 0.5 2.5 mm²		1 35 mm²
contacts ● solid or stranded 0.5 2.5 mm²		
 ◆ finely stranded with core end processing 0.5 2.5 mm² 		
	 finely stranded with core end processing 	0.5 2.5 mm ²

type of connectable conductor cross-sections

for auxiliary contacts

- solid or stranded
- finely stranded with core end processing
- at AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section

- for main contacts
- for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14)

18 ... 1

20 ... 14

Safety related data

product function

• mirror contact according to IEC 60947-4-1

• positively driven operation according to IEC 60947-5-1

B10 value with high demand rate according to SN 31920 **proportion of dangerous failures**

• with low demand rate according to SN 31920

• with high demand rate according to SN 31920

failure rate [FIT] with low demand rate according to SN 31920

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

• safety-related switching OFF

Yes

No

1 000 000

40 % 73 %

100 FIT

20 y

IP20

finger-safe, for vertical contact from the front

Yes

Certificates/ approvals

General Product Approval





Confirmation

Miscellaneous

<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping













Marine / Shipping

other

Railway

Dangerous Good

(I) RMRS Confirmation

Confirmation

Vibration and Shock

<u>Transport Information</u>

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2035-1NP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1NP30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1NP30

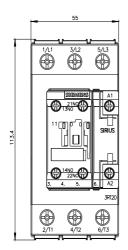
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RT2035-1NP30&lang=en

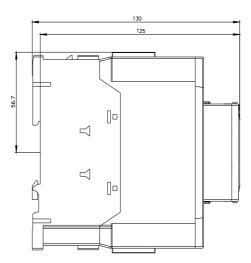
Characteristic: Tripping characteristics, I2t, Let-through current

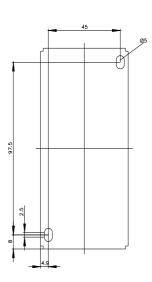
https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1NP30/char

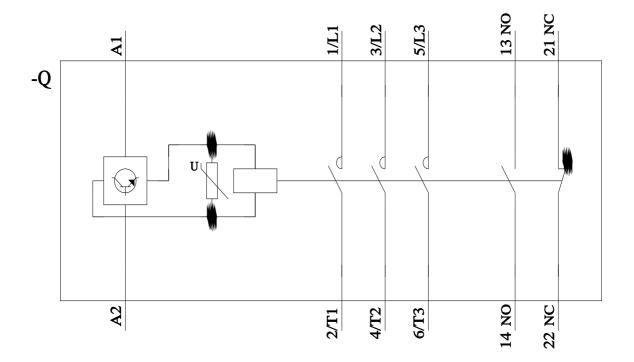
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1NP30&objecttype=14&gridview=view1









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