## SIEMENS

## Data sheet

## 3RT2035-1AB04



power contactor, AC-3 40 A, 18.5 kW / 400 V 2 NO + 2 NC, 24 V AC 50 Hz, 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	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	No
power loss [W] for rated value of the current at AC in hot operating state	6.6 W
• per pole	2.2 W
power loss [W] for rated value of the current without load current share typical	16 W
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	9.8g / 5 ms, 6.5g / 10 ms
shock resistance with sine pulse	
• at AC	15.3g / 5 ms, 10.1g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.10.2014 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
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

operational current	-
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	60 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	60 A
— up to 690 V at ambient temperature 60 °C rated value	55 A
• at AC-3	
— at 400 V rated value	41 A
— at 500 V rated value	41 A
— at 690 V rated value	24 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	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	00.27
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	36.5 A
— 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 value	36.5 A
— up to 690 V for current peak value n=20 rated value	24 A
• at AC-6a	24.2.4
— up to 230 V for current peak value n=30 rated value	24.2 A
— up to 400 V for current peak value n=30 rated value	24.2 A 24.2 A
— up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated	24.2 A
value	
minimum cross-section in main circuit at maximum AC-1 rated value	16 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	22 A
<ul> <li>at 690 V rated value</li> </ul>	18.5 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

t AC-4 maximum Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC	AC
Control circuit/ Control	
a at AC 4 maximum	300 1/h
• at AC-3 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
● at AC-1 maximum	1 200 1/h
operating frequency	
• at AC	5 000 1/h
no-load switching frequency	
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	196 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	241 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	400 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	596 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	843 A; Use minimum cross-section acc. to AC-1 rated value
short-time withstand current in cold operating state up to 40 °C	
• up to 690 V for current peak value n=30 rated value	28.6 kV·A
• up to 500 V for current peak value n=30 rated value	21 kV·A
• up to 400 V for current peak value n=30 rated value	16.8 kV·A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	9.6 kV·A
operating apparent power at AC-6a	
• up to 690 V for current peak value n=20 rated value	28.6 kV·A
• up to 500 V for current peak value n=20 rated value	31.6 kV·A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	25.2 kV·A
• up to 230 V for current peak value n=20 rated value	14.5 kV·A
operating apparent power at AC-6a	
• at 690 V rated value	16.8 kW
at 400 V rated value	11.6 kW
operating power for approx. 200000 operating cycles at AC-4	
— at 690 V rated value	22 kW
— at 500 V rated value	22 kW 22 kW
— at 400 V rated value	18.5 kW
— at 230 V rated value	11 kW
• at AC-3	
• at AC-2 at 400 V rated value	18.5 kW
operating power	
— at 600 V rated value	0.35 A
— at 440 V rated value	0.6 A
— at 220 V rated value	25 A
— at 110 V rated value	55 A
— at 24 V rated value	55 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 600 V rated value	0.16 A
— at 440 V rated value	0.27 A
— at 220 V rated value	5 A
— at 110 V rated value	25 A
with 2 current paths in series at DC-3 at DC-3     — at 24 V rated value	55 A
<ul> <li>— at 600 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	0.06 A
— at 440 V rated value	0.1 A
— at 220 V rated value	1 A
— at 110 V rated value	2.5 A

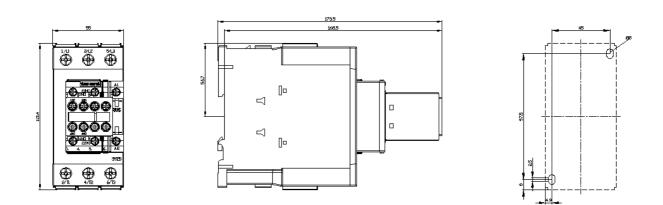
	100.1/ A
• at 50 Hz	190 V·A
inductive power factor with closing power of the coil	0.72
• at 50 Hz	0.72
apparent holding power of magnet coil at AC • at 50 Hz	16 V·A
inductive power factor with the holding power of the	
coil	
• at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
<ul> <li>at 600 V rated value</li> </ul>	0.15 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	6 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	0.3 A
<ul> <li>at 600 V rated value</li> </ul>	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	
<ul> <li>at 480 V rated value</li> </ul>	40 A
<ul> <li>at 600 V rated value</li> </ul>	41 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	3 hp
— at 230 V rated value	7.5 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	10 hp
— at 220/230 V rated value	15 hp
— at 460/480 V rated value	30 hp
— at 575/600 V rated value	40 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
·	

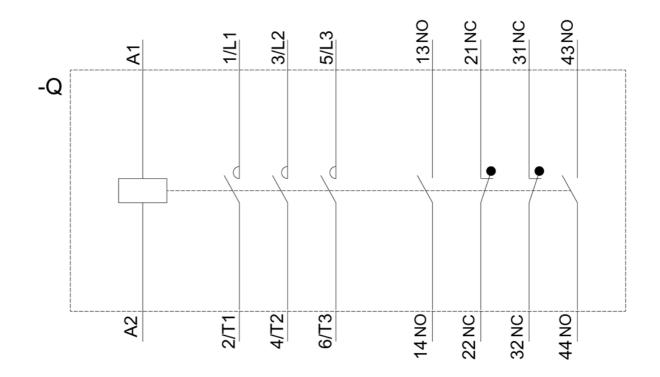
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)			
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)			
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)			
Installation/ mounting/ dimensions				
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface			
fastening method	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715			
side-by-side mounting	Yes			
height	114 mm			
width	_ 55 mm			
depth	174 mm			
required spacing				
<ul> <li>with side-by-side mounting</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
<ul> <li>for grounded parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— at the side	6 mm			
— downwards	10 mm			
<ul> <li>for live parts</li> </ul>				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	6 mm			
Connections/ Terminals				
type of electrical connection				
	screw-type terminals			
tor main current circuit				
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>				
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals			
<ul><li>for auxiliary and control circuit</li><li>at contactor for auxiliary contacts</li></ul>	screw-type terminals Screw-type terminals			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul>	screw-type terminals			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> </ul>	screw-type terminals Screw-type terminals			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1)			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>inely stranded with core end processing</li> <li>of at AWG cables for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>– solid or stranded</li> <li>– finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>– finely stranded with core end processing</li> <li>– at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>– finely stranded with core end processing</li> <li>– finely stranded with core end processing</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1)			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>solid or stranded with core end processing</li> <li>solid or stranded with core section for auxiliary contacts</li> <li>solid or stranded</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>of finely stranded with core end processing</li> <li>finely stranded with core end processing</li> </ul> </li> <li>solid or stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>e finely stranded with core end processing</li> </ul> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> </ul> </li>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts                 <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li></ul></li></ul></li></ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>ontacts</li> <li>finely stranded with core end processing</li> </ul> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections             <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG cables for auxiliary contacts</li> </ul> </li> </ul></li>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> )			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> </ul> </li> </ul>	screw-type terminals Screw-type terminals Screw-type terminals $2x (1 35 mm^2), 1x (1 50 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$ 2x (18 2), 1x (18 1) $1 35 mm^2$ $0.5 2.5 mm^2$ $0.5 2.5 mm^2$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ $2x (0.5 1.5 mm^2), 2x (0.75 2.5 mm^2)$ 2x (20 16), 2x (18 14)			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections             <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> </li> </ul></li></ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts                 <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li></ul></li></ul></li></ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1 20 14			
<ul> <li>for auxiliary and control circuit         <ul> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections             <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> </li> </ul></li></ul>	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm <sup>2</sup> ), 1x (1 50 mm <sup>2</sup> ) 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (18 2), 1x (18 1) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2,5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1			

proportion of dange						
<ul> <li>with low deman</li> </ul>	id rate acc. to SN 3192					
<ul> <li>with high dema</li> </ul>	nd rate acc. to SN 3192	20 73 9	73 %			
failure rate [FIT] with	low demand rate acc. t	o SN 31920 100	100 FIT			
product function posit 60947-5-1	ively driven operation a	acc. to IEC No				
T1 value for proof te IEC 61508	est interval or service	life acc. to 20 y	/			
protection class IP of	on the front acc. to IE	C 60529 IP2	IP20			
touch protection on	the front acc. to IEC	60529 fing	er-safe, for vertical cont	act from the front		
suitability for use						
<ul> <li>safety-related s</li> </ul>	witching OFF	Yes	6			
ertificates/ approval	-					
General Product Ap					EMC	
SEA.			<u>KC</u>	EAC	RCM	
Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certificates		Marine / Shipping	
Type Examination Certificate	CE EG-Konf.	UK Declaration of Conformity	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS	
Marine / Shipping						
BUREAU VERITAS	Lloyd's Register uts	PRS	RINA	RMRS RMRS	DNV-GL EMISLCORE	
other						
Confirmation	<u>Confirmation</u>					
urther information Information- and Do	wnloadcenter (Catalo com/ic10	gs, Brochures,)				
Industry Mall (Online https://mall.industry.s Cax online generato	e ordering system) iemens.com/mall/en/er or					
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2035-1AB04 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1AB04						
Image database (pro	oduct images, 2D dim	ension drawings, 3D	-	diagrams, EPLAN mad	cros,)	

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2035-1AB04/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2035-1AB04&objecttype=14&gridview=view1





last modified:

12/21/2020 🖸