SIEMENS

Data sheet

3RT2036-1AF04



power contactor, AC-3 50 A, 22 kW / 400 V 2 NO + 2 NC, 110 V AC, 50 Hz, 3-pole, Size S2, screw terminal

size of contactor S2 product extension No • function module for communication No • auxiliary switch No power loss [W] for rated value of the current at AC in hot operating state 12 W • per pole 4 W power loss [W] for rated value of the current without load current share typical 16 W surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary switch 10 00 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (switching cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 01.10.2014 00:00:00 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during torage -55 +80 °C		
product type designation 3RT2 General technical data	product brand name	SIRIUS
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size of contactor S2 product extension • • function module for communication No • auxiliary switch No power loss [W] for rated value of the current at AC in hot operating state 12 W • per pole 4 W power loss [W] for rated value of the current without load current share typical 16 W surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 9.8g / 5 ms, 6.5g / 10 ms shock resistance at rectangular impulse 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (switching cycles) 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2014 00.00:00 Ambient temperature -200 m • during operation -25 +60 °C • during operation -25	product type designation	3RT2
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operating state 4 W oper log 4 W power loss IWJ for rated value of the current without load current share typical 16 W surge voltage resistance 6 kV • 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 acc. to E 06947-1 400 V shock resistance at rectangular impulse 9.8g / 5 ms, 6.5g / 10 ms • at AC 9.8g / 5 ms, 10.1g / 10 ms shock resistance with sine pulse 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01/0.2014 00:00:00 Ambient conditions 2 000 m ambient temperature 2 000 m • during operation -25 +60 °C • during storage -55 +60 °C • during storage -55 +60 °C • during storage -55 +60 °C • during operation -55 +60 °C <td> auxiliary switch </td> <td>No</td>	 auxiliary switch 	No
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• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1400 Vshock resistance at rectangular impulse400 V• at AC9.8g / 5 ms, 6.5g / 10 msshock resistance with sine pulse9.8g / 5 ms, 10.1g / 10 ms• at AC15.3g / 5 ms, 10.1g / 10 msmechanical service life (switching cycles)10 000 000• of the contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical01 000 000reference code acc. to IEC 81346-2QSubstance Prohibitance (Date)01.10.2014 00:00:00Ambient conditions2000 mambient temperature • during operation • during sorage-25 +60 °C -55 +60 °C -55 +60 °CMain circuit3number of Poles for main current circuit3number of NO contacts for main contacts3		16 W
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coil and main contacts acc. to EN 60947-1 shock resistance at rectangular impulse • at AC 9.8g / 5 ms, 6.5g / 10 ms shock resistance with sine pulse • at AC 9.8g / 5 ms, 10.1g / 10 ms mechanical service life (switching cycles) 10 000 000 • 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 • of the contactor with added auxiliary switch block typical 0 0.000 • of the contactor with added auxiliary switch block typical 0 0.000 • of the contactor with added auxiliary switch block 0 0.000 typical 0 0.000 reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2014 00:00:00 Ambient conditions 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C Main circuit 3 number of poles for main current circuit 3	 of auxiliary circuit rated value 	6 kV
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shock resistance with sine pulse in go with regretation regretation • at AC 15.3g / 5 ms, 10.1g / 10 ms mechanical service life (switching cycles) i 0 000 000 • 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 • of the contactor with added auxiliary switch block typical 10 000 000 reference code acc. to IEC 81346-2 Q Substance Prohibitance (Date) 01.10.2014 00:00:00 Ambient temperature 4000 m • during operation -25 +60 °C • during storage -55 +80 °C Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3	shock resistance at rectangular impulse	
• at AC15.3g / 5 ms, 10.1g / 10 msmechanical service life (switching cycles).• of contactor typical10 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block 	• at AC	9.8g / 5 ms, 6.5g / 10 ms
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Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3	reference code acc. to IEC 81346-2	Q
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• during storage -55 +80 °C Main circuit number of poles for main current circuit 3 number of NO contacts for main contacts 3	ambient temperature	
Main circuit 3 number of poles for main current circuit 3 number of NO contacts for main contacts 3	during operation	-25 +60 °C
number of poles for main current circuit 3 number of NO contacts for main contacts 3	 during storage 	-55 +80 °C
number of NO contacts for main contacts 3	Main circuit	
	number of poles for main current circuit	3
operating voltage at AC-3 rated value maximum 690 V	number of NO contacts for main contacts	3
	operating voltage at AC-3 rated value maximum	690 V

operational current	-
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	70 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	70 A
— up to 690 V at ambient temperature 60 °C rated value	60 A
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
 at AC-4 at 400 V rated value 	41 A
 at AC-5a up to 690 V rated value 	61.6 A
● at AC-5b up to 400 V rated value	41.5 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	43.2 A
— up to 400 V for current peak value n=20 rated value	43.2 A
— up to 500 V for current peak value n=20 rated value	43.2 A
— up to 690 V for current peak value n=20 rated value	24 A
• at AC-6a	20.0 \
— up to 230 V for current peak value n=30 rated value	28.8 A
— up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated	28.8 A 28.8 A
value — up to 690 V for current peak value n=30 rated	24 A
value	
minimum cross-section in main circuit at maximum AC-1 rated value	25 mm ²
operational current for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	24 A
 at 690 V rated value 	20 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	55 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
• with 2 current paths in series at DC-1	
— 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
 with 3 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
— at 24 V rated value — at 110 V rated value — at 220 V rated value	55 A 45 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	55 A 45 A 2.9 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 	55 A 45 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	55 A 45 A 2.9 A

Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz	AC 110 V 0.8 1.1
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value operating range factor control supply voltage rated	
type of voltage of the control supply voltage control supply voltage at AC	
type of voltage of the control supply voltage	AC
	AC
Control circuit/ Control	
• at AC-4 maximum	250 1/h
• at AC-2 maximum • at AC-3 maximum	800 1/h
 at AC-1 maximum at AC-2 maximum 	1 000 1/h 600 1/h
operating frequency	1.000.1/b
• at AC	5 000 1/h
no-load switching frequency	5 000 1/b
Imited to 60 s switching at zero current maximum	229 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum limited to 60 a switching at zero surrent maximum 	282 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum limited to 20 s switching at zero surrent maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero surrent maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 1 s switching at zero current maximum 	937 A; Use minimum cross-section acc. to AC-1 rated value
up to 40 °C	027 A: Use minimum cross section and to AC 4 retadiuslys
short-time withstand current in cold operating state	
 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 	24.9 kV·A
 up to 400 V for current peak value n=30 rated value 	19.9 kV·A
 up to 230 V for current peak value n=30 rated value 	11.4 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	37.4 kV·A
• up to 400 V for current peak value n=20 rated value	29.9 kV·A
• up to 230 V for current peak value n=20 rated value	17.2 kV·A
operating apparent power at AC-6a	
• at 690 V rated value	18.2 kW
at 400 V rated value	12.6 kW
at AC-4	
— at 690 V rated value operating power for approx. 200000 operating cycles	22 kW
	30 kW
— at 400 V rated value — at 500 V rated value	22 kW 30 kW
— at 230 V rated value	15 kW
• at AC-3	15 kW
• at AC-2 at 400 V rated value	22 kW
operating power	22 1/11
— 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
 with 3 current paths in series at DC-3 at DC-5 	
— 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
— at 24 V rated value	55 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 600 V rated value	0.06 A
— at 440 V rated value	0.1 A
— at 220 V rated value	1A
 — at 110 V rated value 	2.5 A

	400.1/ 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	
 at 24 V rated value 	10 A
 at 48 V rated value 	6 A
 at 60 V rated value 	6 A
 at 110 V rated value 	3 A
 at 125 V rated value 	2 A
 at 220 V rated value 	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
 at 24 V rated value 	6 A
 at 48 V rated value 	2 A
 at 60 V rated value 	2 A
 at 110 V rated value 	1 A
 at 125 V rated value 	0.9 A
 at 220 V rated value 	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	52 A
 at 600 V rated value 	52 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	3 hp
— at 230 V rated value	10 hp
 for 3-phase AC motor 	
— at 200/208 V rated value	15 hp
— at 220/230 V rated value	15 hp
— at 460/480 V rated value	40 hp
— at 575/600 V rated value	50 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
 for short-circuit protection of the main circuit 	

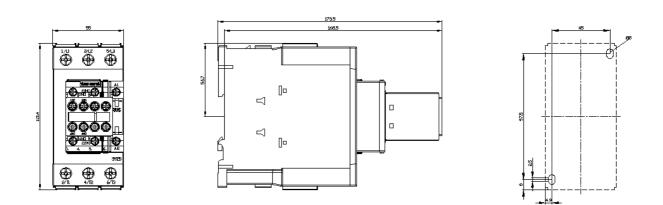
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)			
 — with type of assignment 2 required 	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)			
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)			
Installation/ mounting/ dimensions				
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and 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				
 with side-by-side mounting 				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
 for grounded parts 				
— forwards	10 mm			
— upwards	10 mm			
— at the side	6 mm			
— downwards	10 mm			
 for live parts 				
— forwards	10 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	6 mm			
Connections/ Terminals				
type of electrical connection				
	screw-type terminals			
tor main current circuit				
 for main current circuit for auxiliary and control circuit 				
 for auxiliary and control circuit 	screw-type terminals			
for auxiliary and control circuitat contactor for auxiliary contacts	screw-type terminals Screw-type terminals			
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil 	screw-type terminals			
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections 	screw-type terminals Screw-type terminals			
 for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts 	screw-type terminals Screw-type terminals Screw-type terminals			
 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 	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²)			
 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 	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)			
 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 	screw-type terminals Screw-type terminals Screw-type terminals 2x (1 35 mm ²), 1x (1 50 mm ²)			
 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 connectable conductor cross-section for main contacts 	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)			
 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 connectable conductor cross-section for main contacts inely stranded with core end processing of at AWG cables for main contacts 	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)			
 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 connectable conductor cross-section for main contacts 	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			
 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 connectable conductor cross-section for main contacts – 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 	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)			
 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 connectable conductor cross-section for main contacts 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 	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			
 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 connectable conductor cross-section for main contacts finely stranded with core end processing at AWG cables for main contacts connectable conductor cross-section for main contacts solid or stranded with core end processing solid or stranded with core section for auxiliary contacts solid or stranded 	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			
 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 connectable conductor cross-section for main contacts finely stranded with core end processing of finely stranded with core end processing finely stranded with core end processing solid or stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing 	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			
 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 connectable conductor cross-section for main contacts 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 finely stranded with core end processing type of connectable conductor cross-sections 	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			
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 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 connectable conductor cross-section for main contacts finely stranded with core end processing e finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts solid or stranded 	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 2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²)			
 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 connectable conductor cross-section for main contacts 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 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts	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 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)			
 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 connectable conductor cross-section for main contacts finely stranded with core end processing ontacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing 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 cables for auxiliary contacts 	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 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)			
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 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 connectable conductor cross-section for main contacts 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 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 	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) 18 1			
 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 connectable conductor cross-section for main contacts 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 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing at AWG cables 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 for auxiliary contacts Safety related data 	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) 18 1 20 14			
 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 connectable conductor cross-section for main contacts 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 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid or stranded for auxiliary contacts at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts 	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) 18 1			

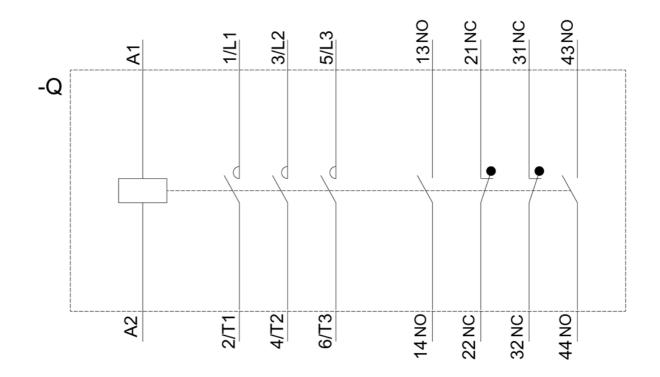
proportion of dange						
	nd rate acc. to SN 3192		40 %			
-	ind rate acc. to SN 319		73 %			
	low demand rate acc. t		100 FIT			
60947-5-1	tively driven operation a		No			
T1 value for proof te IEC 61508	est interval or service	life acc. to	20 у			
protection class IP	on the front acc. to IE	C 60529	IP20			
touch protection on	the front acc. to IEC	60529	finger-safe, for vertical cont	act from the front		
suitability for use						
 safety-related s 	switching OFF		Yes			
ertificates/ approval	ls					
General Product Ap	oproval				EMC	
(SP)	CCC		KC	EHC	RCM	
Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certificates		Marine / Shipping	
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http://www.automation.siemens.com/bilddb/cax <u>_de.aspx?mlfb=3RT2036-1AF04&lang=en</u>

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1AF04/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1AF04&objecttype=14&gridview=view1





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