SIEMENS

Data sheet

3RT2036-1AF00



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 110 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

product brand nameSIRIUSproduct designationPower contactorproduct type designationSRT2Ceneral technical dataSartasize of contactorS2product extensionNo• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current12 W• at AC in hot operating state per pole4 W• at AC in hot operating state per pole6 W• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value690 V• of auxiliary circuit rated value64V• of auxiliary circuit rated value6 kV• of auxiliary circuit rate value6 kV• at AC<		
product type designation 3RT2 General technical data size of contactor S2 size of contactor S2 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current - • at AC in hot operating state per pole 4 W • at AC in hot operating state per pole 6 W insulation voltage - • of main circuit with degree of pollution 3 rated value 690 V • surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 10 0 V • of auxiliary circuit rated value 11.8g / 5 ms, 7.4g / 10 ms	product brand name	SIRIUS
General technical data size of contactor S2 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 12 W • at AC in hot operating state 12 W • at AC in hot operating state per pole 4 W • without load current share typical 6 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 64 kV • of auxiliary circuit rated value 11.8g / 5 ms, 7.4g / 10 ms	product designation	Power contactor
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 12 W • at AC in hot operating state per pole 4 W • without load current share typical 6 W insulation voltage • • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 690 V • of main circuit rated value 66 kV • of main circuit rated value 64 kV • of auxiliary circuit rated value 64 kV </th <th>product type designation</th> <th>3RT2</th>	product type designation	3RT2
product extensionNo• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current12 W• at AC in hot operating state12 W• at AC in hot operating state per pole4 W• without load current share typical6 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value600 V• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kV• of main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse11.8g / 5 ms, 7.4g / 10 ms• at AC11.8g / 5 ms, 7.4g / 10 ms	General technical data	
• function module for communicationNo• auxiliary switchYespower loss [W] for rated value of the current12 W• at AC in hot operating state12 W• at AC in hot operating state per pole4 W• at AC in hot operating state per pole6 W• without load current share typical60 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit with degree of pollution 3 rated value690 V• of main circuit rated value600 V• of main circuit rated value600 V• of main circuit rated value600 V• of main circuit rated value64 kV• of auxiliary circuit rated value64 kV• of auxiliary circuit rated value600 V• of auxiliary circuit rated value400 V• of auxiliary circuit trated value11.8g / 5 ms, 7.4g / 10 ms• at AC11.8g / 5 ms, 7.4g / 10 ms	size of contactor	S2
• auxiliary switchYespower loss [W] for rated value of the currentImage: constraint of the current• at AC in hot operating state12 W• at AC in hot operating state per pole4 W• at AC in hot operating state per pole6 W• without load current share typical6 W• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of main circuit rated value690 V• of main circuit rated value6 kV• of main cortacts according to EN 60947-1400 V• of AAC11.8g / 5 ms, 7.4g / 10 ms• at AC11.8g / 5 ms, 7.4g / 10 ms	product extension	
power loss [W] for rated value of the currentImage: constraint of the current of the c	 function module for communication 	No
• at AC in hot operating state12 W• at AC in hot operating state per pole4 W• without load current share typical6 Winsulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit atted value690 V• of main circuit rated value64 V• of main circuit rated value64 V• of auxiliary circuit r	auxiliary switch	Yes
	power loss [W] for rated value of the current	
• without load current share typical6 Winsulation voltage-• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 V• of main circuit rated value600 V• of main circuit rated value6 kV• of auxiliary circuit rated value100 V• of auxiliary circuit ated value11.8g / 5 ms, 7.4g / 10 ms	 at AC in hot operating state 	12 W
insulation voltage690 V• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance690 V• of main circuit rated value6 kV• of auxiliary circuit rated value100 V• of auxiliary circuit rated value11.8g / 5 ms, 7.4g / 10 ms	 at AC in hot operating state per pole 	4 W
• of main circuit with degree of pollution 3 rated value690 V• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance690 V• of main circuit rated value6 kV• of auxiliary circuit rated value100 V• at AC11.8g / 5 ms, 7.4g / 10 ms• at AC11.8g / 5 ms, 7.4g / 10 ms	 without load current share typical 	6 W
• of auxiliary circuit with degree of pollution 3 rated value690 Vsurge voltage resistance-• of main circuit rated value6 kV• of auxiliary circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse • at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse5	insulation voltage	
surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 11.8g / 5 ms, 7.4g / 10 ms shock resistance with sine pulse 11.8g / 5 ms, 7.4g / 10 ms	 of main circuit with degree of pollution 3 rated value 	690 V
• of main circuit rated value6 kV• of auxiliary circuit rated value6 kVmaximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1400 Vshock resistance at rectangular impulse • at AC11.8g / 5 ms, 7.4g / 10 msshock resistance with sine pulse11.8g / 5 ms, 7.4g / 10 ms	 of auxiliary circuit with degree of pollution 3 rated value 	690 V
• of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 11.8g / 5 ms, 7.4g / 10 ms • at AC 11.8g / 5 ms, 7.4g / 10 ms	surge voltage resistance	
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse at AC the sistence with sine pulse 11.8g / 5 ms, 7.4g / 10 ms	 of main circuit rated value 	6 kV
coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC shock resistance with sine pulse	 of auxiliary circuit rated value 	6 kV
• at AC 11.8g / 5 ms, 7.4g / 10 ms shock resistance with sine pulse		400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
	• at AC	11.8g / 5 ms, 7.4g / 10 ms
• at AC 18.5g / 5 ms, 11.6g / 10 ms	shock resistance with sine pulse	
	• at AC	18.5g / 5 ms, 11.6g / 10 ms
mechanical service life (operating cycles)	mechanical service life (operating cycles)	
of contactor typical 10 000 000	 of contactor typical 	10 000 000
of the contactor with added electronically optimized 5 000 000 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 according to IEC 81346-2 Q	reference code according to IEC 81346-2	Q
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014
Ambient conditions	Ambient conditions	
installation altitude at height above sea level maximum 2 000 m	installation altitude at height above sea level maximum	2 000 m
ambient temperature	ambient temperature	
• during operation -25 +60 °C	 during operation 	-25 +60 °C
• during storage -55 +80 °C	during storage	-55 +80 °C
relative humidity minimum 10 %	relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 95 % 95 %		95 %
Main circuit	Main circuit	
number of poles for main current circuit 3	number of poles for main current circuit	3

number of NO contacts for main contacts	3
operating voltage	5
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated	70 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	70 A
value	20 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-3e	
— 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	
 — 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 	28.8 A
 — up to 500 V for current peak value n=30 rated value 	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
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 60 V rated value	23 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 60 V rated value	45 A
— at 110 V rated value	45 A
- at 220 V rated value	5 A
— at 440 V rated value	1A
— 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 60 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
 at 1 current path at DC-3 at DC-5 	

— at 24 V rated value	35 A			
— at 60 V rated value	6 A			
— at 220 V rated value	1 A			
— 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 60 V rated value	45 A			
— at 110 V rated value	25 A			
— at 220 V rated value	5 A			
— at 440 V rated value	0.27 A			
— at 600 V rated value	0.16 A			
 with 3 current paths in series at DC-3 at DC-5 				
— at 24 V rated value	55 A			
— at 60 V rated value	55 A			
— at 110 V rated value	55 A			
— at 220 V rated value	25 A			
— at 440 V rated value	0.6 A			
— at 600 V rated value	0.35 A			
operating power				
at AC-2 at 400 V rated value	22 kW			
• at AC-3				
- at 230 V rated value	15 kW			
— at 200 V rated value	22 kW			
- at 500 V rated value	22 kW			
— at 690 V rated value	22 kW			
• at AC-3e	ZZ NVV			
- at 400 V rated value	22 kW			
— at 500 V rated value	22 KW			
— at 690 V rated value	22 KW			
operating power for approx. 200000 operating cycles at AC-				
4				
• at 400 V rated value	12.6 kW			
 at 690 V rated value 	18.2 kW			
operating apparent power at AC-6a				
• up to 230 V for current peak value n=20 rated value	17.2 kVA			
 up to 400 V for current peak value n=20 rated value 	29.9 kVA			
 up to 500 V for current peak value n=20 rated value 	37.4 kVA			
• up to 690 V for current peak value n=20 rated value	28.6 kVA			
operating apparent power at AC-6a				
up to 230 V for current peak value n=30 rated value	11.4 kVA			
• up to 400 V for current peak value n=30 rated value	19.9 kVA			
• up to 500 V for current peak value n=30 rated value	24.9 kVA			
 up to 690 V for current peak value n=30 rated value 	28.6 kVA			
short-time withstand current in cold operating state up to				
40 °C				
	937 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 1 s switching at zero current maximum 				
 limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum 	697 A; Use minimum cross-section acc. to AC-1 rated value			
-	697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value			
• limited to 5 s switching at zero current maximum				
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current 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 current maximum limited to 30 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 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 current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 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 current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 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 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 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 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 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 operating frequency 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h			
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h			
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h			
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h			
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 e maximum at AC-4 maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h			
 limited to 5 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3e maximum 	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h			

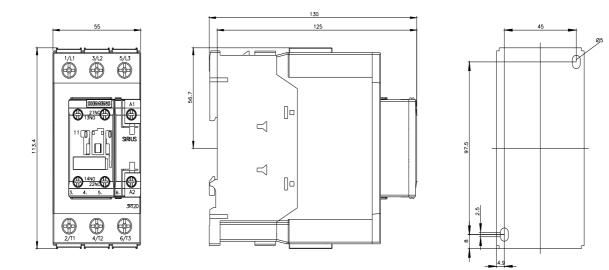
control supply voltage at AC at 50 Hz rated value operating range factor control supply voltage rated value of magnet coil at AC	110 V
operating range factor control supply voltage rated value of	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	190 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	
• at 50 Hz	16 VA
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	1
contact	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-12 maximum	
at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1A
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	1A
• at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1A
• 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 / P600

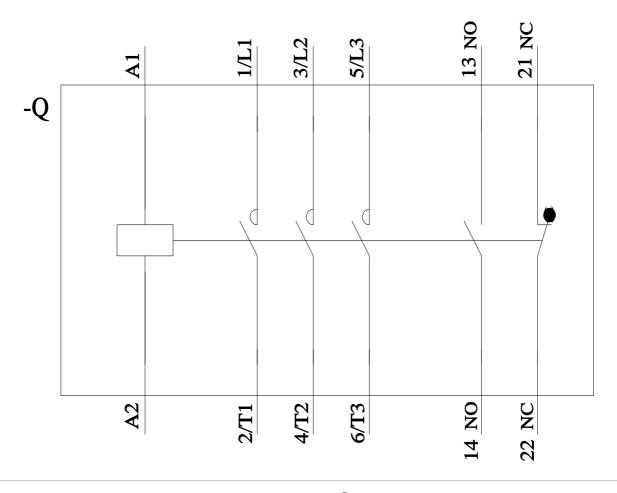
design of the fuse link			
for short-circuit protection of the main circuit			
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)		
— with type of assignment 2 required	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)		
 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 DIN rail according to DIN EN 60715		
 side-by-side mounting 	Yes		
height	114 mm		
width	55 mm		
depth	130 mm		
required spacing			
 with side-by-side mounting 			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
• for live parts			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
for main current circuit	screw-type terminals		
 for auxiliary and control circuit 	screw-type terminals		
 at contactor for auxiliary contacts 	Screw-type terminals		
of magnet coil	Screw-type terminals		
type of connectable conductor cross-sections for main contacts			
solid or stranded	2x (1 35 mm²), 1x (1 50 mm²)		
 finely stranded with core end processing 	2x (1 25 mm ²), 1x (1 35 mm ²)		
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		
 finely stranded with core end processing 	0.5 2.5 mm²		
type of connectable conductor cross-sections			
Upo of connectable conductor croad-accilona			
for auxiliary contacts			
for auxiliary contacts	$2x (0.5 - 1.5 \text{ mm}^2) 2x (0.75 - 2.5 \text{ mm}^2)$		
— solid or stranded	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)		
 — solid or stranded — finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 — solid or stranded — finely stranded with core end processing for AWG cables for auxiliary contacts 			
 — solid or stranded — finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14)		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1		
 solid or stranded finely stranded with core end processing for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts Safety related data	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1 20 14		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1 20 14 Yes		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1 20 14 Yes No		
 — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) 2x (20 16), 2x (18 14) 18 1 20 14 Yes		

• with low demand	d rate according to SN 319	20 40	%			
	id rate according to SN 319		%			
	w demand rate according		0 FIT			
	interval or service life acco					
protection class IP on the front according to IEC 60529			20			
touch protection on t	he front according to IEC	60529 fin	ger-safe, for vertical contact	from the front		
Certificates/ approvals						
General Product App	oroval					
		<u>Confirmation</u>		KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Con	formity	Test Certificates		
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	Special Test Certific- ate	
Marine / Shipping						
ABS	B U R E A U VER I TAS		Lloyd's Register uis	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
KMRS RMRS	<u>Confirmation</u>	Confirmation	Vibration and Shock	Transport Information	Environmental Con- firmations	
urther information						
https://press.siemens.cc Siemens is working of Please contact your loo EAC relevant market (of Information on the pa	other than the sanctioned E	ersteinens-wind-down-r ent EAC certificates. tatus of validity of the I EAEU member states F	EAC certification if you inten	d to import or offer to supp	ly these products to an	
	nloadcenter (Catalogs, E					
Industry Mall (Online	ordering system)					
https://mall.industry.sie Cax online generator	mens.com/mall/en/en/Cata		<u>2036-1AF00</u> g=en&mlfb=3RT2036-1AF0	n		
Service&Support (Ma	nuals, Certificates, Chara siemens.com/cs/ww/en/ps	acteristics, FAQs,)		<u>×</u>		
Image database (proc						

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1AF00/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1AF00&objecttype=14&gridview=view1





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