3RT1066-6SP36-3PA0

Data sheet



power contactor, AC-3e/AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC 200-277 V x (0.8-1.1) F-PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC permanently mounted drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
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 	66 W
 at AC in hot operating state per pole 	22 W
without load current share typical	3.4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating 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)	03/01/2017
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7 Perfluorbutansulfonsäure (PFBS) und ihre
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	1 000 V
• at AC-3e rated value maximum	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
 — up to 1000 V at ambient temperature 60 °C rated value ◆ at AC-3 	150 A
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
• at AC-3e	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
• at AC-4 at 400 V rated value	280 A
• at AC-5a up to 690 V rated value	290 A
• at AC-5b up to 400 V rated value	249 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	292 A
— up to 400 V for current peak value n=20 rated value	292 A
— up to 500 V for current peak value n=20 rated value	292 A
— up to 690 V for current peak value n=20 rated value	280 A
 up to 1000 V for current peak value n=20 rated value 	95 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	195 A
— up to 400 V for current peak value n=30 rated value	195 A
— up to 500 V for current peak value n=30 rated value	195 A
— up to 690 V for current peak value n=30 rated value	195 A
— up to 1000 V for current peak value n=30 rated value	95 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	125 A
at 690 V rated value	115 A
operational current	
• at 1 current path at DC-1	200 A
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A

 with 2 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	11 A
— at 110 V rated value	3 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
at AC-2 at 400 V rated value	160 kW
• at AC-3	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
at 400 V rated value	71 kW
at 400 V rated value at 690 V rated value	112 kW
operating apparent power at AC-6a	
up to 230 V for current peak value n=20 rated value	110 000 kVA
• up to 400 V for current peak value n=20 rated value	200 000 VA
up to 500 V for current peak value n=20 rated value	250 000 VA
up to 690 V for current peak value n=20 rated value	330 000 VA
up to 1000 V for current peak value n=20 rated value	160 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 VA
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# up to 400 V for current peak value n=30 rated value # up to 500 V for current peak value n=30 rated value # up to 500 V for current peak value n=30 rated value # up to 1000 V for current peak value n=30 rated value # up to 1000 V for current peak value n=30 rated value # up to 1000 V for current peak value n=30 rated value # up to 1000 V for current peak value n=30 rated value # up to 1000 V for current the cold operating state up to # of 0 C # limited to 5 s whitching 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 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 50 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero current maximum # limited to 60 s switching at zero cu		
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no-load switching frequency ■ at AC ■ 1 000 1/h ■ at DC 1 000 1/h ■ at AC = maximum ■ AC-2 maximum ■ AC-3 maximum ■ So0 1/h ■ AC-4 maximum ■ So0 1/h ■ AC-3 maximum ■ So0 1/h ■ Intil a Value ■ Intil a So0 1/2 value ■ So0 - 277 V ■ Control supply voltage at DC ■ Intil a Value ■ Intil a So0 1/2 ■ Intil a Value ■ Intil a So0 1/2 ■ Int	 limited to 30 s switching at zero current maximum 	1 883 A; Use minimum cross-section acc. to AC-1 rated value
al AC al DC 1000 f/h 100	 limited to 60 s switching at zero current maximum 	1 445 A; Use minimum cross-section acc. to AC-1 rated value
	no-load switching frequency	
Operating frequency	• at AC	1 000 1/h
	• at DC	1 000 1/h
	operating frequency	
a th AC-3 maximum at AC-3 e maximum 500 t/h 130 t/h 2010 t/l 2011	at AC-1 maximum	500 1/h
e at AC-3e maximum 130 1/h 20 at AC-4 maximum 130 1/h 20 at AC-4 maximum 130 1/h 20 at AC-4 maximum 20 1/h	at AC-2 maximum	250 1/h
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magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 60 Hz — at 50 Hz	full-scale value	1.1
at 50 Hz at 60 Hz bype of PLC-control input according to IEC 60947-1 type of PLC-control input according to IEC 60947-1 Type 1 consumed current at PLC-control input according to IEC 60947-1 maximum voltage at PLC-control input rated value operating range factor of the voltage at PLC-control input design of the surge suppressor apparent pick-up power at minimum rated control supply voltage at AC at 50 Hz at maximum rated control supply voltage at AC at 60 Hz at 50 Hz byperent pick-up power of magnet coil at AC at 50 Hz byperent pick-up power of magnet coil at AC at 50 Hz byperent pick-up power of magnet coil at AC at 50 Hz byperent pick-up power of magnet coil at AC at 50 Hz byperent pick-up power of magnet coil at AC at 50 Hz byperent pick-up power of the coil at 50 Hz byperent pick-up power factor with closing power of the coil at 50 Hz byperent pick-up power factor with closing power of the coil at 60 Hz byperent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at DC		
* at 60 Hz type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1		
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- at 50 Hz - at 60 Hz 400 VA • at maximum rated control supply voltage at AC - at 60 Hz 530 VA - at 50 Hz 530 VA apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz 530 VA • at 60 Hz 530 VA inductive power factor with closing power of the coil • at 50 Hz • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 5.5 VA - at 60 Hz		
- at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz 530 VA apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz 530 VA inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.8 • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 5.5 VA 5.5 VA	,	
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- at 50 Hz 530 VA - at 50 Hz 530 VA apparent pick-up power of magnet coil at AC • at 50 Hz 530 VA • at 60 Hz 530 VA inductive power factor with closing power of the coil • at 50 Hz 0.8 • at 60 Hz 0.8 apparent holding power • at minimum rated control supply voltage at DC 3.4 VA apparent holding power • at maximum rated control supply voltage at DC 3.4 VA apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 5.5 VA		400 VA
apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA		
apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.8 • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA		
 at 50 Hz at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC at minimum rated control supply voltage at AC at minimum rated control supply voltage at AC at minimum rated control supply voltage at AC at 60 Hz 5.5 VA 5.5 VA 		530 VA
 ● at 60 Hz inductive power factor with closing power of the coil ● at 50 Hz ● at 60 Hz ● at minimum rated control supply voltage at DC ● at maximum rated control supply voltage at DC ● at maximum rated control supply voltage at DC Industrial supply voltage at DC 		
inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.8 apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA		
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● at 60 Hz apparent holding power ● at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 0.8 2.8 VA 3.4 VA 3.4 VA 5.5 VA		
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apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 5.5 VA 5.5 VA		
apparent holding power		
at minimum rated control supply voltage at AC at 50 Hz at 60 Hz 5.5 VA 5.5 VA	at maximum rated control supply voltage at DC	3.4 VA
— at 50 Hz 5.5 VA 5.5 VA		
— at 60 Hz 5.5 VA	 at minimum rated control supply voltage at AC 	
	— at 50 Hz	5.5 VA
at maximum rated control supply voltage at AC		5.5 VA
	at maximum rated control supply voltage at AC	

. =0.11	0.71/4
— at 50 Hz	8.5 VA
— at 60 Hz	8.5 VA
apparent holding power of magnet coil at AC	
● at 50 Hz	8.5 VA
• at 60 Hz	8.5 VA
inductive power factor with the holding power of the coil	
at 50 Hz	0.5
at 60 Hz	0.4
closing power of magnet coil at DC	580 W
holding power of magnet coil at DC	3.4 W
closing delay	
• at AC	60 75 ms
• at DC	60 75 ms
opening delay	
• at AC	115 130 ms
• at DC	115 130 ms
recovery time after power failure typical	2 s
arcing time	10 15 ms
control version of the switch operating mechanism	Fail-safe PLC input (F-PLC-IN)
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	10 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 220 V rated valueat 600 V rated value	0.3 A 0.1 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts	0.3 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings	0.3 A 0.1 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp]	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp 250 hp
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp 250 hp 300 hp
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp 250 hp
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp 250 hp 300 hp
at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL	0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 302 A 289 A 100 hp 125 hp 250 hp 300 hp

 — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA)
with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50
	kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm
depth	202 mm
required spacing	
 with side-by-side mounting 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
connectable conductor cross-section for main contacts	
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross	
section	
for auxiliary contacts	18 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947-5-1 	No
safety device type according to IEC 61508-2	Туре В
suitability for use safety-related switching OFF	Yes
B10 value with high demand rate according to SN 31920	1 000 000
Safety Integrity Level (SIL) according to IEC 61508	2
SIL Claim Limit (subsystem) according to EN 62061	2

performance level (PL) according to EN ISO 13849-1	С
category according to EN ISO 13849-1	2
stop category according to EN 60204-1	0
PFHD with high demand rate according to EN 62061	4.5E-7 1/h
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Safe failure fraction (SFF)	93 %
PFDavg with low demand rate according to IEC 61508	0.007
MTBF	75 a
hardware fault tolerance according to IEC 61508	0
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals	

General Product Approval



Confirmation





<u>KC</u>



Functional EMC Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certificate

Railway other

Miscellaneous Special Test Certific-Confirmation **Miscellaneous**

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Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3RT1066-6SP36-3PA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1066-6SP36-3PA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6SP3

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

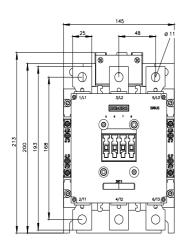
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1066-6SP36-3PA0&lang=en

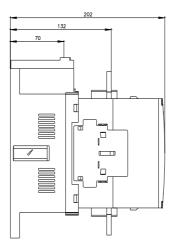
Characteristic: Tripping characteristics, I2t, Let-through current

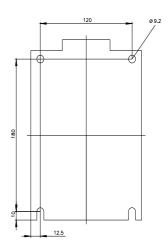
https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6SP36-3PA0/char

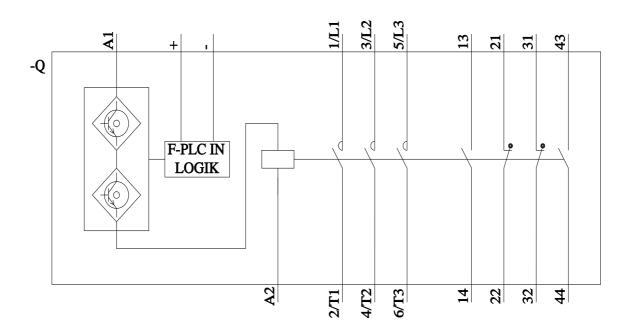
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1066-6SP36-3PA0&objecttype=14&gridview=view1









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