SIEMENS

product brand name

Data sheet 3RT1066-6NP36

SIRIUS



power contactor, AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC operation 200-277 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S10 busbar connections drive: electronic with PLC interface 24 V DC screw terminal

product brand name	SIKIUS
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 safe isolation 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 (switching cycles)	
of contactor typical	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
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 %
lain 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-3 rated value maximum at AC-3e rated value maximum	1 000 V
operational current	1 000 V
at AC-1 at 400 V at ambient temperature 40 °C	330 A
rated value	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	330 A
rated value	
— up to 690 V at ambient temperature 60 °C	300 A
rated value	
— up to 1000 V at ambient temperature 40 °C	150 A
rated value — up to 1000 V at ambient temperature 60 °C	150 A
rated value	100 A
• at AC-3	
— 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 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	292 A
value	
— up to 400 V for current peak value n=20 rated	292 A
value	
— up to 500 V for current peak value n=20 rated	292 A
value	290 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	95 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated	195 A
value	
— up to 400 V for current peak value n=30 rated	195 A
value	105 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	195 A
value	
— up to 1000 V for current peak value n=30 rated	95 A
value	
minimum cross-section in main circuit at maximum AC-1	185 mm²
rated value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	125 A
at 400 V rated value at 690 V rated value	115 A
operational current	
at 1 current path at DC-1	
— at 24 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 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 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	000 A
— at 24 V rated value	300 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 reted value.	300 A
— at 24 V rated value — 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	0.57 A
— at 24 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-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 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	71 kW
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 	160 000 VA
value	
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 VA
• up to 400 V for current peak value n=30 rated value	130 000 VA
 up to 500 V for current peak value n=30 rated value 	160 000 VA

 up to 690 V for current peak value n=30 rated value 	230 000 VA
up to 1000 V for current peak value n=30 rated	160 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	5 524 A; Use minimum cross-section acc. to AC-1 rated value
limited to 5 s switching at zero current maximum	4 579 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 s switching at zero current maximum limited to 10 s switching at zero current maximum	3 153 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	1 883 A; Use minimum cross-section acc. to AC-1 rated value
Iimited 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	4.000.41
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	770.44
• at AC-1 maximum	750 1/h
at AC-2 maximum	250 1/h
at AC-3 maximum	500 1/h
 at AC-3e maximum 	500 1/h
at AC-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	200 277 V
• at 60 Hz rated value	200 277 V
control supply voltage at DC	
rated value	200 277 V
type of PLC-control input according to IEC 60947-1	Type 2
consumed current at PLC-control input according to	20 mA
IEC 60947-1 maximum	
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control	0.8 1.1
input	
operating range factor control supply voltage rated	
value of magnet coil at DC • initial value	0.0
	0.8
• full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	mui vallotoi
at 50 Hz	530 VA
• at 60 Hz	530 VA 530 VA
inductive power factor with closing power of the coil	000 471
at 50 Hz	0.8
• at 50 Hz	0.8
apparent holding power of magnet coil at AC	U.U
at 50 Hz	5 \/A
at 50 Hz at 60 Hz	5 VA 5 VA
	J VN
inductive power factor with the holding power of the coil	
• at 50 Hz	0.5
• at 60 Hz	0.5
closing power of magnet coil at DC	580 W
holding power of magnet coil at DC	3.4 W
closing delay	0.1 11
• at AC	45 80 ms
• at DC	45 80 ms
opening delay	00 100
• at AC	80 100 ms
• at DC	80 100 ms

Auxiliary circuit	arcing time	10 15 ms
Auxiliary circuit		
number of NC contacts for auxiliary contacts instantaneous contact 2		(-)
instantaneous contact operational current at AC-18 maximum operational current at AC-18 maximum	number of NC contacts for auxiliary contacts	2
operational current at AC-15		2
e at 230 V rated value	operational current at AC-12 maximum	10 A
ait 400 V rated value	operational current at AC-15	
• at 590 V rated value operational current at DC-12 • at 24 V rated value • at 60 V rated value • at 220 V rated value • at 60 V rated value • at 800 V rated value • at 600	 at 230 V rated value 	6 A
	● at 400 V rated value	3 A
Operational current at DC-12		2 A
• at 24 V rated value		1 A
• at 48 V rated value • at 60 V rated value • at 160 V rated value • at 128 V rated value • at 128 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 60 V rated value • at 128 V rated value • at 600 V rated value • at 575/600 V rated value • at 600 V rated value • at	operational current at DC-12	
	at 24 V rated value	
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 800 V rated value • at 110 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 800 V rated value	at 48 V rated value	
• at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 202/30 V rated value • at 250 hp • at 575/600 V rated value • at 207/600 V rated value • at 600 V rated va		
at 220 V rated value		
• at 600 V rated value		
a t2 4 V rated value		
at 24 V rated value		U.15 A
■ at 48 V rated value ■ at 60 V rated value ■ at 110 V rated value ■ at 125 V rated value ■ at 220 V rated value ■ at 220 V rated value ■ at 220 V rated value ■ at 60 V rated value ■ at 60 V rated value ■ at 600 V rated value ■ at 480 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value ■ at 220/230 V rated value ■ at 2575600 V rated value ■ at 2575600 V rated value ■ at 575600 V rated value ■ with type of coordination 1 required ■ with type of coordination 1 required ■ with type of coordination 1 required ■ with type of assignment 2 required ■ for short-circuit protection of the main circuit ■ with type of assignment 2 required ■ for short-circuit protection of the auxiliary switch required ■ for short-circuit protection of the auxiliary switch required ■ side-by-side mounting ■ side-by-side mounting ● with side-by-side mounting ● of forwards ■ 20 mm	•	40.4
at 160 V rated value at 110 V rated value 1 A at 125 V rated value 3 0.9 A at 220 V rated value 0.3 A at 600 V rated value 0.1 A contact reliability of auxiliary contacts U/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 289 A yielded mechanical performance [hp] for 3-phase AC motor at 220/230 V rated value at 250 hp at 48040 V rated value be at 600 V rated value at 250 hp at 250 hp at 48040 V rated value be ontact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required with type of sasignment 2 required with type of sasignment 2 required side-by-side mounting fastening method side-by-side mounting height width depth required spacing with side-by-side mounting		
• at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 200 V rated value • at 600 V rated value • at 800 V rated value • at 800 V rated value • at 800 V rated value • at 600 V rated value • at 220/230 V rated value • at 600 V rated value • at 600 V rated value • at 200/208 V rated value • at 460/480 V rated value • at 575/600 V rated value • at 755/600 V rated value • at 600 V 60		
at 220 V rated value at 600 V rated value 0.1 A contact reliability of auxiliary contacts If aully switching per 100 million (17 V, 1 mA) IU/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 289 A yielded mechanical performance [hp] of or 3-phase AC motor at 200/208 V rated value at 220/230 V rated value at 450/480 V rated value at 575/600 V rated value at 575/600 V rated value border act rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link of or short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required with type of assignment 2 required required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting with side-by-side mounting with side-by-side mounting with side-by-side mounting on the fuse into the function of funct		
• at 600 V rated value contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Varied value		
contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor		
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value • at 600 V rated value • at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 260/30 V rated value — at 250 hp — at 460/480 V rated value — at 250 hp — at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height vith side-by-side mounting • with side-by-side mounting • or marks 20 mm		
full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value 289 A yelded mechanical performance [hp] for 3-phase AC motor		r rauny Switching per 100 million (17 V, 1 mA)
• 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 220/330 V rated value — at 450/480 V rated value — at 4575/600 V rated value — at 575/600 V rated value — with type of coordinates according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 A (690 V, 100 kA) 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 Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-92.5° tiltable to the front and back scree fixing • side-by-side mounting • side-by-side mounting • with side-by-side mounting • or mounti		
* at 600 V rated value yielded mechanical performance [hp] * for 3-phase AC motor		303 A
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 460/480 V rated value — at 575/600 V rated value — 300 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gG: 500 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 Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height width depth 202 mm required spacing • with side-by-side mounting • orwards 20 mm		
• for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value — at 600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method • side-by-side mounting • side-by-side mounting width 145 mm depth required spacing • with side-by-side mounting • or		
- at 200/208 V rated value - at 220/230 V rated value - at 246/480 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-92.5° tiltable to the front and back fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting • with side-by-side mounting - forwards 20 mm		
- at 220/230 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value 300 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required - with type of assignment 2 required soft of short-circuit protection of the auxiliary switch required required 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 • side-by-side mounting • with side-by-side mounting • or manufacture states and so the side of	·	100 hp
- at 460/480 V rated value - at 575/600 V rated value 300 hp contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link		·
- at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing • side-by-side mounting • with side-by-side mounting • owned • or short-circuit protection of the main circuit gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA) gG: 10 A (500 V, 1 kA) required pG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 k		·
contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link		·
Short-circuit protection design of the fuse link		
design of the fuse link		
for short-circuit protection of the main circuit — with type of coordination 1 required — 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) — gG: 10 A (500 V, 1 kA) — with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back — side-by-side mounting — side-by-side mounting — type — with side-by-side mounting — forwards — with side-by-side mounting — forwards — with side-by-side mounting — forwards		
- with type of coordination 1 required - with type of assignment 2 required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch required - for short-circuit protection of the auxiliary switch gG: 10 A (500 V, 1 kA) - with type of coordination 1 required gG: 500 A (690 V, 100 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes - yes	•	
- with type of assignment 2 required of G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) of or short-circuit protection of the auxiliary switch required 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 of side-by-side mounting Yes height width 145 mm depth required spacing of with side-by-side mounting of with side-by-side mounting - forwards gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) required surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with	·	aG: 500 A (690 V. 100 kA)
 for short-circuit protection of the auxiliary switch required 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 side-by-side mounting yes height 210 mm width		gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method side-by-side mounting e side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing e with side-by-side mounting — forwards 20 mm		
surface +/- 22.5° tiltable to the front and back fastening method	Installation/ mounting/ dimensions	
 side-by-side mounting height width depth required spacing with side-by-side mounting forwards Yes 210 mm 202 mm 	mounting position	
height210 mmwidth145 mmdepth202 mmrequired spacing• with side-by-side mounting — forwards20 mm	fastening method	screw fixing
width 145 mm depth 202 mm required spacing • with side-by-side mounting — forwards 20 mm	• side-by-side mounting	Yes
depth 202 mm required spacing ● with side-by-side mounting — forwards 20 mm	height	210 mm
required spacing • with side-by-side mounting — forwards 20 mm	width	145 mm
with side-by-side mounting— forwards20 mm	depth	202 mm
— forwards 20 mm	required spacing	
	with side-by-side mounting	
— upwards 10 mm	— forwards	
- F	— 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
type of connectable conductor cross-sections	
 at AWG cables for main contacts 	2/0 500 kcmil
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)
at 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
B10 value with high demand rate according to SN 31920	1 000 000
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
suitability for use	
safety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	





Confirmation



<u>KC</u>



EMC Functional Declaration of Conformity Test Certificates

Safety/Safety of Machinery



Type Examination Certificate





Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Marine / Shipping

other











Confirmation

other

Railway

Miscellaneous

Miscellaneous

Confirmation

Special Test Certific-<u>ate</u>

Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1066-6NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1066-6NP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6NP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3RT1066-6NP36&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6NP36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1066-6NP36&objecttype=14&gridview=view1

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