## SIEMENS

## Data sheet

## 3RT1075-6SF36



power contactor, AC-3e/AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC 96-127 V x (0.8-1.1) F-PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC 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	S12	
product extension		
<ul> <li>function module for communication</li> </ul>	No	
<ul> <li>auxiliary switch</li> </ul>	Yes	
power loss [W] for rated value of the current		
<ul> <li>at AC in hot operating state</li> </ul>	105 W	
<ul> <li>at AC in hot operating state per pole</li> </ul>	35 W	
<ul> <li>without load current share typical</li> </ul>	3.6 W	
insulation voltage		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V	
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V	
surge voltage resistance		
<ul> <li>of main circuit rated value</li> </ul>	8 kV	
<ul> <li>of auxiliary circuit rated value</li> </ul>	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 (operating cycles)		
<ul> <li>of contactor typical</li> </ul>	10 000 000	
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000	
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	03/01/2017	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
<ul> <li>during operation</li> </ul>	-25 +60 °C	
<ul> <li>during storage</li> </ul>	-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	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	430 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	430 A
— up to 690 V at ambient temperature 60 °C rated value	400 A
— up to 1000 V at ambient temperature 40 °C rated value	200 A
— up to 1000 V at ambient temperature 60 °C rated value	200 A
• at AC-3	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	180 A
• at AC-3e	400 A
— at 400 V rated value	400 A
— at 500 V rated value	400 A 400 A
— at 690 V rated value — at 1000 V rated value	180 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	350 A
<ul> <li>at AC-4 at 400 v rated value</li> <li>at AC-5a up to 690 V rated value</li> </ul>	378 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	332 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	395 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	395 A
— up to 500 V for current peak value n=20 rated value	395 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	395 A
— up to 1000 V for current peak value n=20 rated value	180 A
<ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	264 A
— up to 400 V for current peak value n=30 rated value	264 A
— up to 500 V for current peak value n=30 rated value	264 A
— up to 690 V for current peak value n=30 rated value	264 A
<ul> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul>	180 A
minimum cross-section in main circuit at maximum AC-1 rated value	300 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	150 A
at 690 V rated value	135 A
operational current	
• at 1 current path at DC-1	400.4
— at 24 V rated value	400 A
— at 60 V rated value	330 A
— at 110 V rated value	33 A 3.8 A
— at 220 V rated value — at 440 V rated value	3.8 A 0.9 A
— at 600 V rated value	0.9 A 0.6 A
	U.U A

Ι

<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	400 A
— at 60 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	400 4
— at 24 V rated value — at 60 V rated value	400 A 400 A
— at 110 V rated value	400 A 400 A
— at 220 V rated value	400 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	400 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	400 A
— at 60 V rated value	400 A
— at 110 V rated value	400 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value</li> </ul>	400 A
— at 60 V rated value	400 A 400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	200 kW
• at AC-3	
— at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value — at 1000 V rated value	400 kW
• at AC-3e	250 kW
- at 230 V rated value	132 kW
— at 400 V rated value	200 kW
— at 500 V rated value	250 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	85 kW
<ul> <li>at 690 V rated value</li> </ul>	133 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	150 000 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	270 000 VA
• up to 500 V for current peak value n=20 rated value	340 000 VA
• up to 690 V for current peak value n=20 rated value	470 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	310 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	100 000 VA
• up to 400 V for current peak value n=30 rated value	180 000 VA
• up to 500 V for current peak value n=30 rated value	220 000 VA

<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	310 000 VA
• up to 1000 V for current peak value n=30 rated	310 000 VA
value	
short-time withstand current in cold operating state	
<ul> <li>up to 40 °C</li> <li>limited to 1 s switching at zero current maximum</li> </ul>	6 600 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>Imited to 1's switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> </ul>	5 761 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 3 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> </ul>	4 143 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	2 635 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 088 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	500 1/h
• at DC	500 1/h
operating frequency	
• at AC-1 maximum	200 1/h
• at AC-2 maximum	200 1/h 200 1/h
<ul> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> </ul>	200 1/h 200 1/h
• at AC-3e 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	96 127 V
• at 60 Hz rated value	96 127 V
control supply voltage at DC	
rated value	96 127 V
type of PLC-control input according to IEC 60947-1	Туре 1
consumed current at PLC-control input according to IEC 60947-1 maximum	14 mA
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	0.8
• 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	
• at 50 Hz	750 VA
● at 60 Hz	750 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
apparent holding power of magnet coil at AC • at 50 Hz	9 VA
• at 60 Hz	9 VA 9 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.4
• at 60 Hz	0.4
closing power of magnet coil at DC	800 W
holding power of magnet coil at DC	3.6 W
closing delay	
• at AC	60 75 ms
• at DC	60 75 ms
opening delay	115 120 mg
● at AC ● at DC	115 130 ms 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)
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Auxiliary circuit			
number of NC contacts for auxiliary contacts	2		
instantaneous contact			
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		
<ul> <li>at 400 V rated value</li> </ul>	3 A		
• at 500 V rated value	2 A		
<ul> <li>at 690 V rated value</li> </ul>	1 A		
operational current at DC-12			
<ul> <li>at 24 V rated value</li> </ul>	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	10.4		
at 24 V rated value	10 A		
at 48 V rated value	2 A 2 A		
at 60 V rated value	2 A 1 A		
at 110 V rated value	1A		
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> </ul>	0.9 A 0.3 A		
at 220 V rated value     at 600 V rated value	0.3 A 0.1 A		
• at 600 V rated value 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	361 A		
at 600 V rated value	382 A		
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 200/208 V rated value	125 hp		
- at 220/230 V rated value	150 hp		
— at 460/480 V rated value	300 hp		
— at 575/600 V rated value	400 hp		
contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
— with type of coordination 1 required	gG: 630 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415		
	V, 50 kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		
fastening method	screw fixing		
<ul> <li>side-by-side mounting</li> </ul>	Yes		
height	210 mm		
width	160 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	20		
— forwards	20 mm		
— upwards	10 mm		

— at the side	10 mm
— downwards	10 mm
<ul> <li>for live parts</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
	10 1111
Connections/ Terminals	
type of electrical connection	
<ul> <li>for main current circuit</li> </ul>	Connection bar
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
<ul> <li>of magnet coil</li> </ul>	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	
connectable conductor cross-section for auxiliary contacts	
solid or stranded	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )
— solid or stranded	2x (0,5 1,5 mm <sup>2</sup> ), 2x (0,75 2,5 mm <sup>2</sup> ), max. 2x (0,75 4 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> </ul>	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	
0001011	
for auxiliary contacts	18 14
<ul> <li>for auxiliary contacts</li> </ul>	18 14
for auxiliary contacts Safety related data	18 14
for auxiliary contacts Safety related data product function	
for auxiliary contacts Safety related data product function     mirror contact according to IEC 60947-4-1	Yes
for auxiliary contacts     Safety related data     product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-</li> </ul>	
for auxiliary contacts     Safety related data     product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	Yes No
for auxiliary contacts Safety related data product function     mirror contact according to IEC 60947-4-1     opositively driven operation according to IEC 60947- 5-1 safety device type according to IEC 61508-2	Yes No Type B
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2</li> <li>B10 value with high demand rate according to SN 31920</li> </ul>	Yes No Type B 1 000 000
for auxiliary contacts Safety related data product function     mirror contact according to IEC 60947-4-1     opsitively driven operation according to IEC 60947- 5-1 safety device type according to IEC 61508-2 B10 value with high demand rate according to SN 31920 Safety Integrity Level (SIL) according to IEC 61508	Yes No Type B 1 000 000 2
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061             <ul> <li>performance level (PL) according to EN ISO 13849-1</li> </ul> </li> </ul></li></ul>	Yes No Type B 1 000 000 2 2 2 c
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN ISO 13849-1</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061             <ul> <li>performance level (PL) according to EN ISO 13849-1</li> </ul> </li> </ul></li></ul>	Yes No Type B 1 000 000 2 2 2 c
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2</li> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN ISO 13849-1</li> <li>stop category according to EN 60204-1</li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2</li> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> </ul>	Yes No Type B 1 000 000 2 2 c 2 2 0
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2</li> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN ISO 13849-1</li> <li>stop category according to EN 60204-1</li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 %
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 %
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> <li>PFHD with high demand rate according to EN 62061</li> </li></ul>	Yes No Type B 1 000 000 2 2 2 2 0 93 % 100 FIT 4.5E-7 1/h
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> </li></ul>	Yes No Type B 1 000 000 2 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> <li>MTBF</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> </li></ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> <li>MTBF</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> <li>T value for proof test interval or service life according to</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 c 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> <li>MTBF</li> </li></ul> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 180 13849-1</li> <li>stop category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> </ul> <li>PFHD with high demand rate according to EN 62061</li> <li>PFDavg with low demand rate according to IEC 61508</li> <li>MTBF</li> </li></ul> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 180 13849-1</li> <li>stop category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN ISO 13849-1</li> <li>stop category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>suitability for use</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2</li> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> <li>hardware fault tolerance according to IEC 61508</li> <li>T value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>suitability for use</li> <li>safety-related switching on</li> </ul>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover No
<ul> <li>for auxiliary contacts</li> <li>Safety related data</li> <li>product function         <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947- 5-1</li> </ul> </li> <li>safety device type according to IEC 61508-2         <ul> <li>B10 value with high demand rate according to SN 31920</li> <li>Safety Integrity Level (SIL) according to IEC 61508</li> <li>SIL Claim Limit (subsystem) according to EN 62061</li> <li>performance level (PL) according to EN ISO 13849-1</li> <li>category according to EN 60204-1</li> <li>Safe failure fraction (SFF)</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>PFHD with high demand rate according to IEC 61508</li> <li>MTBF</li> </ul> </li> <li>hardware fault tolerance according to IEC 61508</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>suitability for use                 <ul> <li>safety-related switching OFF</li> </ul> </li> </ul>	Yes No Type B 1 000 000 2 2 2 0 93 % 100 FIT 4.5E-7 1/h 0.007 75 a 0 20 a IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover No



**Confirmation** 



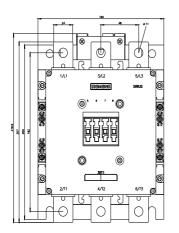
EAC

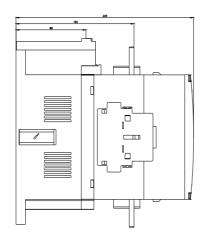


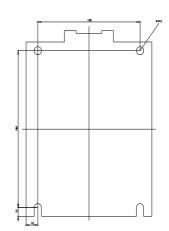
Functional Safety/Safety of Machinery	Declaration of Conformity		Test Certificates		other
<u>Type Examination</u>	CE	UK	Type Test Certific-	<u>Special Test Certific-</u>	<u>Confirmation</u>
<u>Certificate</u>	EG-Konf.	CA	ates/Test Report	<u>ate</u>	

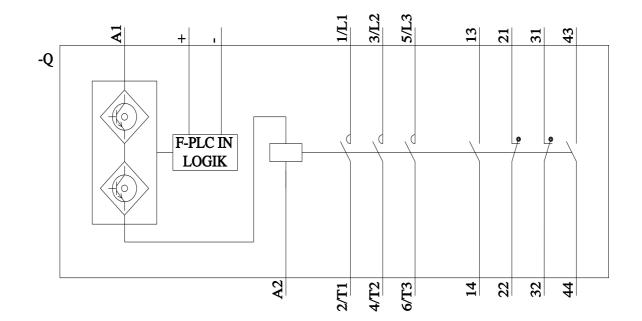
other		Railway		
Miscellaneous	<u>Miscellaneous</u>	Vibration and Shock	Special Test Certific- ate	

Further information 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=3RT1075-6SF36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6SF36 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6SF36 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1075-6SF36&lang=en Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6SF36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6SF36&objecttype=14&gridview=view1









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