# **SIEMENS**

Data sheet 3RT2036-3SF30



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 83-150 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, size: S2, F-PLC-IN

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	12 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	4 W
<ul> <li>without load current share typical</li> </ul>	2 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
of auxiliary circuit with degree of pollution 3 rated value	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	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	
• at AC	7.7g / 5 ms, 4.5g / 10 ms
• at DC	7.7g / 5 ms, 4.5g / 10 ms
shock resistance with sine pulse	
• at AC	12g / 5 ms, 7g / 10 ms
• at DC	12g / 5 ms, 7g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
of the contactor with added auxiliary switch block typical	5 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/29/2021
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-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	690 V	
at AC-3e rated value maximum	690 V	
operational current		
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	70 A	
• at AC-1		
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	70 A	
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ 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	11.070	
— 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	27 //	
— up to 230 V for current peak value n=30 rated value	28.8 A	
	28.8 A	
— up to 400 V for current peak value n=30 rated value		
— up to 500 V for current peak value n=30 rated 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 mm²	
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	
<ul><li>with 2 current paths in series at DC-1</li></ul>		
— 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	1 A	
— at 600 V rated value	0.8 A	
<ul> <li>with 3 current paths in series at DC-1</li> </ul>		
— 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 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 400 V rated value	22 kW
— at 500 V rated value	30 kW
— at 690 V rated value	22 kW
operating power for approx. 200000 operating cycles at AC-	
4	
<ul> <li>at 400 V rated value</li> </ul>	12.6 kW
at 690 V rated value	18.2 kW
operating apparent power at AC-6a	
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	29 900 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	37 400 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	28 600 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	11 400 VA
• up to 400 V for current peak value n=30 rated value	19 900 VA
• up to 500 V for current peak value n=30 rated value	24 900 VA
• up to 690 V for current peak value n=30 rated value	28 600 VA
short-time withstand current in cold operating state up to	
40 °C	007.4.11
Iimited to 1 s switching at zero current maximum	937 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	697 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	282 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 60 s switching at zero current maximum	229 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	600 1/h
• at AC-3 maximum	800 1/h
• at AC-3e maximum	800 1/h
• at AC-4 maximum	250 1/h

Control circuit/ Control	ACIDO
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	83 150 V
at 60 Hz rated value	83 150 V
control supply voltage at DC	
rated value	83 150 V
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
type of PLC-control input according to IEC 60947-1	Type 1
consumed current at PLC-control input according to IEC 60947-1 maximum	11 mA
voltage at PLC-control input rated value	24 V
operating range factor of the voltage at PLC-control input	0.8 1.1
design of the surge suppressor	with varistor
inrush current peak	25 A
duration of inrush current peak	10 µs
locked-rotor current mean value	0.34 A
locked-rotor current peak	0.8 A
duration of locked-rotor current	230 ms
holding current mean value	0.015 A
apparent pick-up power of magnet coil at AC	
• at 50 Hz	40 VA
• at 60 Hz	40 VA
apparent holding power of magnet coil at AC	
• at 50 Hz	2 VA
• at 60 Hz	2 VA
closing power of magnet coil at DC	40 W
holding power of magnet coil at DC	1.6 W
closing delay	
• at AC	35 110 ms
• at DC	35 110 ms
opening delay	
• at AC	30 55 ms
• at DC	30 55 ms
recovery time after power failure typical	2.1 s
arcing time	10 20 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	1
number of NO contacts for auxiliary contacts instantaneous contact	0
operational current at AC-12 maximum	10 A
operational current at AC-15	
• 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	1 A
operational current at DC-12	
at 24 V rated value	10 A
	C A
• at 48 V rated value	6 A
	6 A 6 A
• at 48 V rated value	
<ul><li>at 48 V rated value</li><li>at 60 V rated value</li></ul>	6 A

at 600 V rated value	0.15 A
operational current at DC-13	V.IVA
• 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	The state of the s
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]	
<ul> <li>for single-phase AC motor</li> </ul>	
— 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
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80
— with type of assignment 2 required	kA)
for short-circuit protection of the auxiliary switch required	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) gG: 10 A (500 V, 1 kA)
• 101 SHORE-CITCUIT DI CIECTIONI OI THE AUXINALY SWITCH RECUMEN	99. 10 A (300 V, 1 KA)
Installation/ mounting/ dimensions	+/-180° rotation possible on vertical mounting surface; can be tilted forward and
	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions mounting position  fastening method • side-by-side mounting	backward by +/- 22.5° on vertical mounting surface
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  Yes  114 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  Yes  114 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 0 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 0 mm 10 mm 10 mm 6 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm 10 mm 0 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
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Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm 10 mm
Installation/ mounting/ dimensions mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes  114 mm 55 mm 130 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions  mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes  114 mm 55 mm 130 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions  mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes 114 mm 55 mm 130 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 10 mm
Installation/ mounting/ dimensions  mounting position  fastening method	backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes  114 mm 55 mm 130 mm  10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm

type of connectable conductor cross-sections for main contacts  • solid or stranded • finely stranded with core end processing  connectable conductor cross-section for main contacts • finely stranded with core end processing  tonnectable conductor cross-section for auxiliary contacts • finely stranded with core end processing  • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  • solid or stranded • finely stranded without core end processing • for auxiliary contacts  • for auxiliary contacts  - solid or stranded - finely stranded with core end processing  2x (0.5 2.5 mm²)  - finely stranded with core end processing • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross
<ul> <li>finely stranded with core end processing</li> <li>2x (1 25 mm²), 1x (1 35 mm²)</li> <li>connectable conductor cross-section for main contacts</li> <li>finely stranded with core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for SWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross</li> </ul>
connectable conductor cross-section for main contacts  • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing  2x (0.5 2.5 mm²)  - finely stranded with core end processing  2x (0.5 2.5 mm²)  - finely stranded without core end processing  2x (0.5 2.5 mm²)  - finely stranded without core end processing  • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>aux (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>4x (0.5</li></ul>
connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  - solid or stranded  - finely stranded with core end processing  2x (0.5 2.5 mm²)  - finely stranded with core end processing  - solid or stranded  - finely stranded with core end processing  - finely stranded without core end processing  - finely stranded without core end processing  - finely stranded without core end processing  2x (0.5 2.5 mm²)  - finely stranded without core end processing  2x (0.5 2.5 mm²)  - finely stranded without core end processing  - for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG number as coded connectable conductor cross</li> </ul>
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross</li> </ul>
<ul> <li>finely stranded without core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>— for AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross</li> </ul>
type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing 2x (0.5 2.5 mm²) — finely stranded without core end processing 2x (0.5 2.5 mm²)  • for AWG cables for auxiliary contacts 2x (20 14)  AWG number as coded connectable conductor cross
<ul> <li>for auxiliary contacts         — solid or stranded         — finely stranded with core end processing         — finely stranded without core end processing         — finely stranded without core end processing         — for AWG cables for auxiliary contacts         — AWG number as coded connectable conductor cross         — solid or stranded         2x (0.5 2.5 mm²)         2x (0.5 2.5 mm²)         2x (20 14)         — AWG number as coded connectable conductor cross</li> </ul>
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>— for AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross</li> </ul> 2x (0.5 2.5 mm²) 2x (20 14) 2x (20 14)
<ul> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>• for AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross</li> </ul> 2x (0.5 2.5 mm²) 2x (20 14)
— finely stranded without core end processing 2x (0.5 2.5 mm²)  • for AWG cables for auxiliary contacts 2x (20 14)  AWG number as coded connectable conductor cross
• for AWG cables for auxiliary contacts 2x (20 14)  AWG number as coded connectable conductor cross
AWG number as coded connectable conductor cross
section
• for main contacts 18 1
• for auxiliary contacts 20 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 Type B
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 c
category according to EN ISO 13849-1 2
stop category according to EN 60204-1 0
Safe failure fraction (SFF) 96 %
diagnostics test interval by internal test function maximum 28 800 s
proportion of dangerous failures
• with low demand rate according to SN 31920 40 %
• with high demand rate according to SN 31920 73 %
failure rate [FIT] with low demand rate according to SN 31920 100 FIT
PFHD with high demand rate according to EN 62061 7.7E-8 1/h
PFDavg with low demand rate according to IEC 61508 0.0067
MTBF 52 a
hardware fault tolerance according to IEC 61508 0
T1 value for proof test interval or service life according to IEC 61508
protection class IP on the front according to IEC 60529 IP20
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front
suitability for use
• safety-related switching on No
• safety-related switching OFF Yes
Certificates/ approvals

### **General Product Approval**



Confirmation





<u>KC</u>



EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates	Marine / Shipping
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## Type Examination Certificate





Type Test Certificates/Test Report



Marine / Shipping other Railway









Confirmation Vibration and Shock

#### **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=3RT2036-3SF30

#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-3SF30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3SF30

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

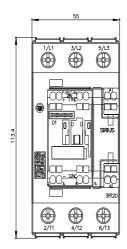
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2036-3SF30&lang=en

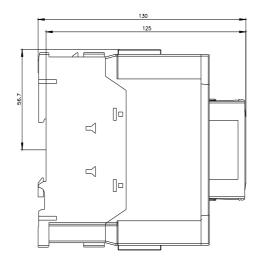
Characteristic: Tripping characteristics, I2t, Let-through current

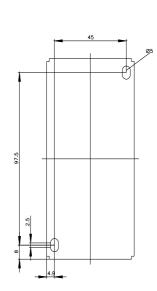
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-3SF30/char

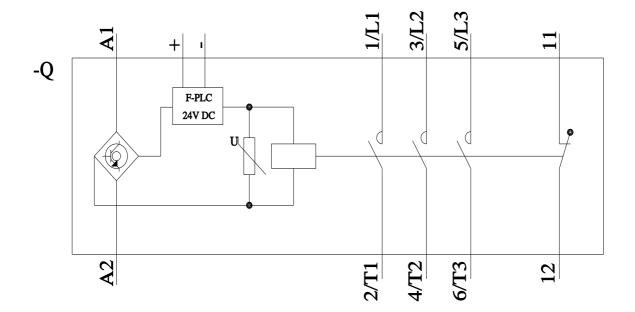
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-3SF30&objecttype=14&gridview=view1









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