SIEMENS

Data sheet

3RT2038-1SF30



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 83-150 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 1 NC, screw 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			
 function module for communication 	No		
 auxiliary switch 	Yes		
power loss [W] for rated value of the current			
 at AC in hot operating state 	17.1 W		
 at AC in hot operating state per pole 	5.7 W		
 without load current share typical 	2 W		
insulation voltage			
 of main circuit with degree of pollution 3 rated value 	690 V		
 of auxiliary circuit with degree of pollution 3 rated value 	690 V		
surge voltage resistance			
 of main circuit rated value 	6 kV		
 of auxiliary circuit rated value 	6 kV		
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• 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)			
 of contactor typical 	5 000 000		
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000		
 of the contactor with added auxiliary switch block typical 	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			
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 %		

ain 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			
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	90 A		
• at AC-1			
— up to 690 V at ambient temperature 40 °C rated value	90 A		
— up to 690 V at ambient temperature 60 °C rated value	80 A		
• at AC-3			
— at 400 V rated value	80 A		
— at 500 V rated value	80 A		
— at 690 V rated value	58 A		
• at AC-3e			
- at 400 V rated value	80 A		
- at 500 V rated value	80 A		
— at 690 V rated value	58 A		
at AC-4 at 400 V rated value	55 A 79.2 A		
at AC-5a up to 690 V rated value	66.4 A		
 at AC-5b up to 400 V rated value at AC-6a 	00.4 A		
 up to 230 V for current peak value n=20 rated value 	70 A		
— up to 400 V for current peak value n=20 rated value	70 A		
— up to 500 V for current peak value n=20 rated value	70 A		
— up to 690 V for current peak value n=20 rated value	58 A		
• at AC-6a	00 A		
— up to 230 V for current peak value n=30 rated value	46.7 A		
— up to 400 V for current peak value n=30 rated value	46.7 A		
— up to 500 V for current peak value n=30 rated value	46.7 A		
— up to 690 V for current peak value n=30 rated value	46.7 A		
minimum cross-section in main circuit at maximum AC-1 rated value	35 mm²		
operational current for approx. 200000 operating cycles at AC-4			
• at 400 V rated value	30 A		
• at 690 V rated value	24 A		
operational current			
• at 1 current path at DC-1			
— at 24 V rated value	55 A		
— at 60 V rated value	23 A		
— at 110 V rated value	4.5 A		
— at 220 V rated value	1 A		
— at 440 V rated value	0.4 A		
— at 600 V rated value	0.25 A		
 with 2 current paths in series at DC-1 			
— at 24 V rated value	55 A		
— at 60 V rated value	45 A		
— at 110 V rated value	45 A		
— at 220 V rated value	5 A		
— at 440 V rated value	1 A		
— at 600 V rated value	0.8 A		
 with 3 current paths in series at DC-1 			
— at 24 V rated value	55 A		
— at 60 V rated value	55 A		
— at 110 V rated value	55 A		
— at 220 V rated value	45 A		
— at 440 V rated value	2.9 A		

— at 600 V rated value	1.4 A				
 at 1 current path at DC-3 at DC-5 					
— at 24 V rated value	35 A				
— at 60 V rated value	6 A				
— at 220 V rated value	1 A				
— at 440 V rated value	0.1 A			0.1 A	
— at 600 V rated value	0.06 A				
 with 2 current paths in series at DC-3 at DC-5 					
— at 24 V rated value	55 A				
— at 60 V rated value	45 A				
— at 110 V rated value	25 A				
— at 220 V rated value	5 A				
— at 440 V rated value	0.27 A				
— at 600 V rated value	0.16 A				
 with 3 current paths in series at DC-3 at DC-5 					
— at 24 V rated value	55 A				
— at 60 V rated value	55 A				
— at 110 V rated value	55 A				
— at 220 V rated value	25 A				
— at 440 V rated value	0.6 A				
— at 600 V rated value	0.35 A				
operating power					
• at AC-2 at 400 V rated value	37 kW				
• at AC-3					
— at 230 V rated value	22 kW				
— at 400 V rated value	37 kW				
— at 500 V rated value	37 kW				
— at 690 V rated value	45 kW				
• at AC-3e					
— at 230 V rated value	22 kW				
— at 400 V rated value	37 kW				
— at 500 V rated value	37 kW				
— at 690 V rated value	45 kW				
operating power for approx. 200000 operating cycles at AC-					
4					
• at 400 V rated value	15.8 kW				
• at 690 V rated value	21.8 kW				
operating apparent power at AC-6a					
 up to 400 V for current peak value n=20 rated value 	48 400 VA				
 up to 500 V for current peak value n=20 rated value 	60 600 VA				
	60 600 VA				
up to 690 V for current peak value n=20 rated value	60 600 VA 69 300 VA				
• up to 690 V for current peak value n=20 rated value					
 up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	69 300 VA				
 up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 	69 300 VA 18 600 VA				
 up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 	69 300 VA 18 600 VA 32 300 VA				
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 up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 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 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C 	69 300 VA 18 600 VA 32 300 VA 40 400 VA 55 800 VA				
 up to 690 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value 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 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C limited to 1 s switching at zero current maximum 	69 300 VA 18 600 VA 32 300 VA 40 400 VA 55 800 VA 1 298 A; Use minimum cross-section acc. to AC-1 rated value				
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● at AC-4 maximum	150 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	83 150 V			
at 60 Hz rated value	83 150 V 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 0.34 A			
locked-rotor current mean value				
locked-rotor current peak duration of locked-rotor current	0.8 A			
holding current mean value	230 ms 0.015 A			
apparent pick-up power of magnet coil at AC				
apparent pick-up power of magnet con 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			
• 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 600 V rated value	0.1 A		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
• at 480 V rated value	65 A		
• at 600 V rated value	62 A		
yielded mechanical performance [hp]			
 for single-phase AC motor 			
— at 110/120 V rated value	5 hp		
— at 230 V rated value	15 hp		
• for 3-phase AC motor			
— at 200/208 V rated value	20 hp		
— at 220/230 V rated value	25 hp		
— at 460/480 V rated value	50 hp		
— at 575/600 V rated value	60 hp		
contact rating of auxiliary contacts according to UL	A600 / P600		
Short-circuit protection			
design of the fuse link			
 for short-circuit protection of the main circuit 			
— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80		
· · ·	kA)		
— with type of assignment 2 required	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA)		
• for short-circuit protection of the auxiliary switch required	gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A (415V,80kA) gG: 10 A (500 V, 1 kA)		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 10 A (500 V, 1 kA)		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 Yes		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards at the side 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts forwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts forwards upwards forwards upwards for grounded parts forwards upwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards upwards at the side for grounded parts at the side at the side 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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 6 mm		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards at the side at the side at the side downwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards at the side for wards upwards of or wards of or wards for at the side for grounded parts of or wards of or live parts 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts forwards upwards at the side for wards at the side for live parts forwards for live parts forwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards a the side for grounded parts for wards upwards at the side for wards at the side for wards at the side for live parts forwards upwards upwards for live parts forwards upwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards downwards at the side for grounded parts forwards upwards at the side for live parts for live parts forwards upwards downwards for live parts downwards 	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		
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 for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method side-by-side mounting height width depth required spacing with side-by-side mounting forwards upwards at the side for grounded parts for grounded parts forwards at the side for live parts for live parts forwards at the side for live parts forwards at the side for live parts forwards at the side for live parts forwards at the side forwards at the side for live parts forwards at the side forwards for live parts forwards at the side Connections/ Terminals	gG: 10 A (500 V, 1 kA) +/-180° rotation possible on vertical mounting surface; can be tilted forward and 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		

of magnet coil 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	Screw-type terminals 2x (1 35 mm ²), 1x (1 50 m					
solid or stranded inely stranded with core end processing connectable conductor cross-section for main contacts	2x (1 35 mm²), 1x (1 50 m					
• finely stranded with core end processing connectable conductor cross-section for main contacts	2x (1 33 mm), 1x (1 30 m	m ²)	$2x/(1 - 25 mm^2) + x/(1 - 50 mm^2)$			
connectable conductor cross-section for main contacts	$2x (1 35 mm^2), 1x (1 35 mm^2)$ $2x (1 25 mm^2), 1x (1 35 mm^2)$					
	2x (1 23 mm), 1x (1 33 mm)					
 finely stranded with core end processing 	1 35 mm ²					
	1 35 mm²					
 connectable conductor cross-section for auxiliary contacts solid or stranded 	0.5 0.5 mm²					
	0.5 2.5 mm ²					
finely stranded with core end processing	0.5 2.5 mm²					
type of connectable conductor cross-sections						
for auxiliary contacts	0. (0.5 4.5 mm ⁻²) 0. (0.75 0.5 mm ⁻²)					
— solid or stranded	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)					
— finely stranded with core end processing	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)					
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	2x (20 16), 2x (18 14)					
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	Туре В					
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	20 000 3					
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						
PFHD with high demand rate according to EN 62061						
PFDavg with low demand rate according to EK 62501	7.7E-8 1/h 0.0067					
MTBF	0.0067 52 a					
hardware fault tolerance according to IEC 61508	0					
T1 value for proof test interval or service life according to IEC	0 20 a					
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				
Certificates/ approvals						
General Product Approval						
<u>Confirmation</u>	ŝ	<u>KC</u>				
	(VL)		FHI			
CSA CCC			LIIL			
Functional						
EMC Safety/Safety of Ma- Declaration of	Conformity	Test Certificates	Marine / Shipping			
chinery						
onnory		Type Test Certific-	SCAN ST.			
·			State of the state			
·	CF	ates/Test Report	and a			
·	CE	ates/Test Report				
Type Examination Cer-	CE EG-Konf.	ates/Test Report	ABS			
	CE EG-Konf.	ates/Test Report	ABS			
	CE EG-Konf.	ates/Test Report	ABS			

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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=3RT2038-1SF30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-1SF30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1SF30

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

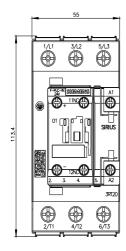
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2038-1SF30&lang=en

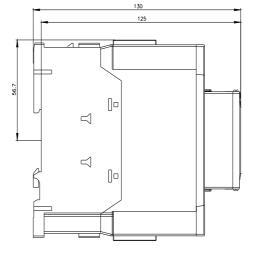
Characteristic: Tripping characteristics, I²t, Let-through current

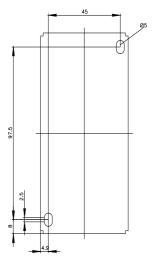
https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1SF30/char

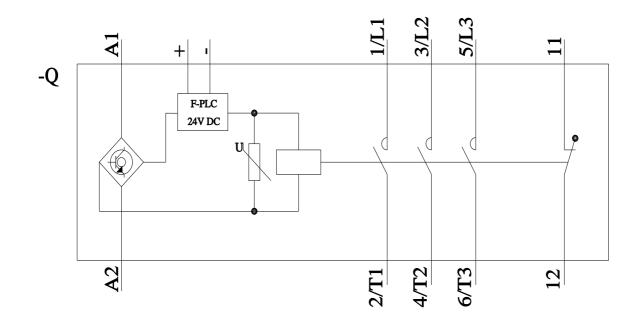
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-1SF30&objecttype=14&gridview=view1









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