SIEMENS

Data sheet

3RT2038-1AP00



power contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 230 V AC, 50 Hz, auxiliary contacts: 1 NO + 1 NC, screw terminal, size: S2 $\,$

product brand name SIRIUS product designation Power contactor product type designation 3RT2 General technical data		
product type designation 3RT2 General technical data size of contactor \$2 size of contactor \$2 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current	product brand name	SIRIUS
General technical data size of contactor S2 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 17.1 W • 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 6 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 690 V • of auxiliary circuit rated value 690 V • of auxiliary circuit rated value 600 V • of auxiliary circuit rated value 600 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 100 V coil a	product designation	Power contactor
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 6 W insulation voltage • • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 690 V • of main circuit rated value 64 V • of auxiliary circuit rated value 64 V •	product type designation	3RT2
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coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC shock resistance with sine pulse	 of auxiliary circuit rated value 	6 kV
• at AC 11.8g / 5 ms, 7.4g / 10 ms shock resistance with sine pulse		400 V
shock resistance with sine pulse	shock resistance at rectangular impulse	
	• at AC	11.8g / 5 ms, 7.4g / 10 ms
• at AC 18 5a / 5 ms 11 6a / 10 ms	shock resistance with sine pulse	
10.0970110, 11.09710110	• at AC	18.5g / 5 ms, 11.6g / 10 ms
mechanical service life (operating cycles)	mechanical service life (operating cycles)	
of contactor typical 10 000 000	 of contactor typical 	10 000 000
of the contactor with added electronically optimized 5 000 000 auxiliary switch block typical		5 000 000
of the contactor with added auxiliary switch block typical 10 000 000	 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2 Q	reference code according to IEC 81346-2	Q
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014
Ambient conditions	Ambient conditions	
installation altitude at height above sea level maximum 2 000 m	installation altitude at height above sea level maximum	2 000 m
ambient temperature	ambient temperature	
• during operation -25 +60 °C	 during operation 	-25 +60 °C
• during storage -55 +80 °C	during storage	-55 +80 °C
relative humidity minimum 10 %	relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 95 % 95 %		95 %
Main circuit	Main circuit	
number of poles for main current circuit 3	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	90 A
value	
• 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	80 A
value	
• 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
at AC-5a up to 690 V rated value	79.2 A
 at AC-5b up to 400 V rated value at AC-6a 	66.4 A
	70 A
— up to 230 V for current peak value n=20 rated value	
 — up to 400 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value 	70 A 70 A
— up to 500 V for current peak value n=20 rated value	58 A
• at AC-6a	50 A
 up to 230 V for current peak value n=30 rated value 	46.7 A
— up to 200 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	35 mm ²
value	
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
— 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 200 V rated value	37 kW
	37 KW
- at 500 V rated value	
— 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 230 V for current peak value n=20 rated value	27.8 kVA
• up to 400 V for current peak value n=20 rated value	48.4 kVA
• up to 500 V for current peak value n=20 rated value	60.6 kVA
	69.3 kVA
up to 690 V for current peak value n=20 rated value	00.0 KVA
operating apparent power at AC-6a	18.6 kV/A
up to 230 V for current peak value n=30 rated value	18.6 kVA
• up to 400 V for current peak value n=30 rated value	32.3 kVA
up to 500 V for current peak value n=30 rated value	40.4 kVA
up to 690 V for current peak value n=30 rated value	55.8 kVA
short-time withstand current in cold operating state up to 40 °C	
 limited to 1 s switching at zero current maximum 	1 298 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	898 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	640 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	414 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 60 s switching at zero current maximum 	333 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 1/h
operating frequency	
at AC-1 maximum	700 1/h
	350 1/h
• at AC-2 maximum	
• at AC-3 maximum	500 1/h
at AC-3e maximum	500 1/h
at AC-4 maximum	150 1/h
Control circuit/ Control	

type of voltage of the control supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	230 V
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
 apparent pick-up power of magnet coil at AC at 50 Hz 	190 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	0.12
• at 50 Hz	16 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous contact	1
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

Secure Account of the fuse link design of the fuse link - with type of caloritation 1 required - with type of assignment 2 required - with typ	contact rating of auxiliary contacts according to UL	A600 / P600	
design of the fue link • for short-circul protection of the main circuit - with type of assignment 2 required • for short-circul protection of the axialize year. • write type of assignment 2 required • for short-circul protection of the axialize year. • sole-by-side mounting • sole-by-side mounting • sole-by-side mounting • whith side-by-late mounting • for synaptic side of short • operation • for synaptic side of short <			
- with type of condination 1 required yes: 250 A (890 V, 100 KA), abk. 180 A (690 V, 100 KA), BSB8: 200 A (415 V, 80 A for shirt-circuit protection of the auxiliary switch required 95: 100 A (690 V, 100 KA), abk. 180 A (690 V, 100 KA), BSB8: 125A (415V 260 KA) 95: 100 A (690 V, 100 KA), abk. 180 A (690 V, 100 KA), BSB8: 125A (415V 260 KA) 15 attening mothed 15 attening mothed 15 attening mothed 15 attening mothed 15 attening mothed 16 attening mothed 16 attening mothed 10 mm 10 mm	0		
- with type of assignment 2 regured 92: 160.4 (80V, 100A), 48: 80A (80V, 100A), BS8B 125A (415V, 80A) interactional production of the availary switch required 92: 10.4 (500 V, 1 KA) **180 ² rotation possible on vertical mounting surface; can be titled floward and bedweak by +2.25' on vertical mounting surface; can be titled floward and bedweak by +2.25' on vertical mounting surface; can be titled floward and bedweak by +2.25' on vertical mounting surface; can be titled floward and bedweak by +2.25' on vertical mounting surface; can be titled floward and serve and snapon mounting on 0.35 mm UN rai according to DIN EN 60715 • of by yeak enounting regured agains regured agains • of waverds • of			
• of short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 1 kA) Installation innounting outfaces, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by +5: 22K for writed incounting surface, can be tilted forward and backward by the surface incounting surface, can be tilted forward and backward by the surface incounting surface, can be tilted forward by the surface incounting writed write and backward by the surface incounting write writed incounting writed write and backward by the surface incounting write writed incounting writed write and backward by the surface incounting writed write and backward by the surface in	- with type of assignment 2 required		
Institution			
meunting position +:100' (rotation possition or vertical mounting surface: case the list of lower and and betweet and the state of the			
backward by +2 2 5" on vertical mounting surface Isatening method screw and snap on mounting onto 35 mm DIN rail according to DIN EN 60715 Height 114 mm with 350 mm degrit 130 mm required spacing 114 mm with side-by-side mounting - (ovards) 10 mm - upwards 10 mm - domwards 10 mm		+/-180° rotation possible on vertical mounting surface; can be tilted forward and	
• size-by-side mounting Yes height 114 mm width 55 mm depth 130 mm required spacing 10 mm - wowards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - wowards 10 mm - forwards 10 mm - forwards 10 mm - wowards 10 mm - forwards 10 mm			
height 114 mm width 55 mm depth 130 mm reculted spacing 10 mm - drowards 10 mm - upwards 10 mm - upwards 10 mm - drowards 10 mm - drowa	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	
witch 66 mm depth 130 mm required spacing 130 mm • with side-by-side mounting 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - for nain current circuit screw-type terminals of ran all current circuit screw-type terminals of ran acurent circuit sc	 side-by-side mounting 	Yes	
depth 130 mm required spacing - forwards - forwards 10 mm - upwards 10 mm - upwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - at the side 0 mm - upwards 10 mm - downwards 10 mm - of and current fount screw-type terminals for maining and control chouit screw-type te	height	114 mm	
required spacing • with side by side mounting - Gowards 10 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - for grounded parts 0 - for grounded parts 10 mm - upwards 10 mm - downwards 10 mm	width	55 mm	
• with side-by-side mounting· for wards10 mm- forwards10 mm- downwards00 mm- downwards00 mm- at the side0 mm- for grounded parts0 mm- forwards10 mm- upwards10 mm- upwards10 mm- downwards10 mm- downwards50 mm- downwards10 mm- downwards10 mm- downwards50 mm- downwards10 mm- downwards20 mm- downwards20 mm- downwards20 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- downwards30 mm- for axiliary contacts2x (1 25 mm²)- for axiliary contacts2x (1 25 mm²)- for axiliary contacts2x (0 5 15 mm²	depth	130 mm	
forwards10 mm upwards10 mm upwards0 mm at the side0 mm forwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm downwards10 mm downwardsScrew-type terminals for auxiliary contactsScrew-type terminals- for auxiliary contacts2x (1 25 mm ²), 1x (1 3	required spacing		
	 with side-by-side mounting 		
- downwards 10 mm - at the side 0 mm - for younds parts 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 0 mm - downwards 6 mm - downwards 0 mm - downwards 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 6 mm - downwards 10 mm - downwards 5 mm - downwards 5 mm - downwards 5 mm - of readia control circuit screw-type terminals - of or axiliary contacts Screw-type terminals - of main curret circuit	— forwards	10 mm	
at the side0 mm• for grounded parts10 mm upwards10 mm upwards0 mm at the side6 mm downwards10 mm for live parts10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm downwards10 mm downwards0 mm downwards0 mm downwards5 mm downwards0 mm downwards5 mm downwards0 mm downwards5 mm downwards0 mm downwards5 mm downards5 mm downards5 mm <td< td=""><td></td><td></td></td<>			
• for grounded parts 10 mm - forwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - for low parts 10 mm - downwards 10 mm - downwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 6 mm Connectional Terminals type of electrical connection * for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • of magnet coll Screw-type terminals /type of connectable conductor cross-section for main contacts sclid or stranded • finely stranded with core end processing 135 mm ²). tx (1 35 mm ²) connectable conductor cross-section for auxiliary contacts sclid or stranded • finely stranded with core end processing 1		10 mm	
- forwards 10 mm - upwards 0 mm - at the side 6 mm - downwards 10 mm - for live parts 10 mm - forwards 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 0 mm - downwards 10 mm - downwards 5 mm - downwards 5 cme-type terminals st contactor for auxiliary contacts 2 (1 35 mm ³), 1x (1 50 mm ²) - fine	— at the side	0 mm	
upwards10 mm at the side6 mm downwards00 mm forwards10 mm forwards10 mm upwards10 mm upwards10 mm upwards10 mm at the side6 mmConnections/TemInals5 crew-type terminalstype of electrical connectionscrew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of auxiliary contactsScrew-type terminals• of auxiliary and control circuitscrew-type terminals• of auxiliary contactsScrew-type terminals• of auxiliary contactsScrew-type terminals• of auxiliary contacts2x (1 35 mm²), 1x (1 50 mm²)• of inley stranded with core end processing1 35 mm²• finely stranded with core end processing1 35 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (20 10; 2x (18 14)• finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (20 16; 2x (18 14)• finely stranded with core end processing2x (20 1.5 mm²), 2x (0.75 2.5 mm²) </td <td> for grounded parts </td> <td></td>	 for grounded parts 		
	— forwards	10 mm	
downwards10 mm• for live parts forwards forwards10 mm upwards10 mm downwards10 mm downwards10 mm at the side6 mmConnection/ Terminals5 erew-type terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary contactsScrew-type terminals• of magnet coilScrew-type terminals• of connection/screw-type terminals• of auxiliary contactsScrew-type terminals• of auxiliary contactsScrew-type terminals• of connectable conductor cross-section for main contacts2x (1 35 mm²)• of inely stranded with core end processing1 35 mm²connectable conductor cross-section for main contacts0.5 2.5 mm²• olid or stranded0.5 2.5 mm²• of auxiliary contacts2x (0.5 1.5 mm²) 2x (0.75 2.5 mm²)• of auxiliary contacts2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross-sections2x (20 16), 2x (18 14)AWG number as coded connectable conductor cross-section2x (20 16), 2x (18 14)AWG number as coded top terminals18 1• for auxiliary contacts20 14Satery related dat10 12 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts20 14Satery related dat20 14Satery related dat10 12 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts20 16• for auxiliary contact	— upwards	10 mm	
• for live parts 10 mm - forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections Terminals Connections Terminals Serew-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • of magnet coll Screw-type terminals • of or auxiliary and control circuit screw-type terminals • of angent coll Screw-type terminals • of angent coll Screw-type terminals • of or auxiliary contacts Screw-type terminals • of angent coll Screw-type terminals • of angent coll Screw-type terminals • of auxiliary contacts 2x (1 35 mm?), 1x (1 50 mm?) • finely stranded with core end processing 1 35 mm? • of or auxiliary contacts 0 2.5 mm² • of or auxiliary contacts 0 2.5 mm² • of or auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of auxiliary contacts 2x (20 16), 2x (18 14) <td colspace<="" td="" td<=""><td>— at the side</td><td>6 mm</td></td>	<td>— at the side</td> <td>6 mm</td>	— at the side	6 mm
- forwards 10 mm - upwards 10 mm - downwards 10 mm - at the side 6 mm Connections type of electrical connection • for main current circuit screw-type terminals • of or auxiliary contacts Screw-type terminals • of magnet coll Screw-type terminals type of contectable conductor cross-sections for main contacts Screw-type terminals • solid or stranded 2x (1 35 mm²), 1x (1 50 mm²) • finely stranded with core end processing 2x (1 35 mm²) connectable conductor cross-section for rauxiliary contacts 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² connectable conductor cross-section for auxiliary contacts o.5 2.5 mm² • of auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross-sections 5x (20 16), 2x (18 14) • for auxiliary contacts 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross 2x (20 16),	— downwards	10 mm	
- upwards 10 mm - downwards 10 mm - a the side 6 mm Connectoin/Terminals 6 mm • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • of main current circuit screw-type terminals • of magnet coll Screw-type terminals • of auxiliary contacts Screw-type terminals • of auxiliary contacts Screw-type terminals • of auxiliary contacts Screw-type terminals • of nameded 2x (1 35 mm³), 1x (1 50 mm²) • onnectable conductor cross-section for main contacts	 for live parts 		
downwards 10 mm at the side 6 mm Connections/Terminals 6 type of electrical connection screw-type terminals • for main current circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals • solid or stranded 2x (1 35 mm²), 1x (1 50 mm²) • solid or stranded with core end processing 2x (1 35 mm²) • onnectable conductor cross-section for main contacts 6.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • solid or stranded 0.5 2.5 mm² • finely stranded with core end processing 0.5 2.5 mm² • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) • of rauxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5	— forwards	10 mm	
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AWG number as coded connectable conductor cross section Image: Section section • for main contacts 18 1 • for auxiliary contacts 20 14 Safety related data Image: Section setting of FF Yes Suitability for use safety-related switching OFF Yes			
section Image: 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 suitability for use safety-related switching OFF Yes	·	2x (20 16), 2x (18 14)	
• for auxiliary contacts 20 14 Safety related data Image: contact according to IEC 60947-4-1 • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes	section		
Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes			
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emirror contact according to IEC 60947-4-1 Yes vositively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes	Safety related data		
positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes	product function		
suitability for use safety-related switching OFF Yes	 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	suitability for use safety-related switching OFF	Yes	
	B10 value with high demand rate according to SN 31920	1 000 000	

proportion of dange	rous failures				
 with low deman 	id rate according to SN 3192	40	%		
 with high demain 	nd rate according to SN 319	20 73	%		
failure rate [FIT] with l	ow demand rate according to	o SN 31920 10	D FIT		
T1 value for proof test 61508	interval or service life accor	ding to IEC 20	а		
protection class IP o	on the front according to IE	IP2	20		
ouch protection on	the front according to IEC	60529 fing	ger-safe, for vertical contact	from the front	
ertificates/ approvals	3				
General Product Ap	proval				
(SP)	Confirmation		(UL)	KC	EHC
ЕМС	Functional Safety/Safety of Ma- chinery	Declaration of Cont	formity	Test Certificates	
RCM	<u>Type Examination Cer-</u> tificate	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Llovd's Register uts	PRS	RINA
Marine / Shipping	other		Railway	Dangerous Good	Environment
RMRS RMRS	<u>Confirmation</u>	Confirmation	Vibration and Shock	Transport Information	<u>Environmental Co</u> firmations
RMRS					
rther information					

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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=3RT2038-1AP00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2038-1AP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1AP00

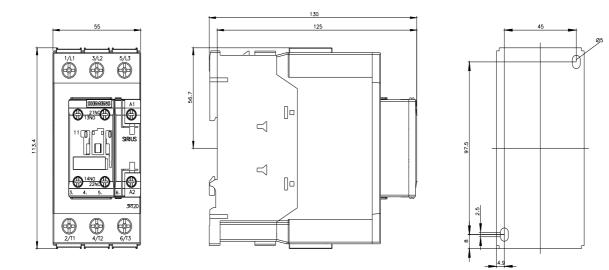
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

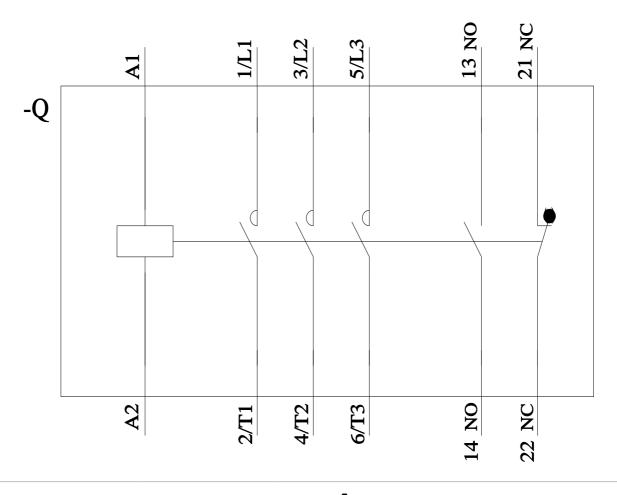
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2038-1AP00&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2038-1AP00/char Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2038-1AP00&objecttype=14&gridview=view1





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