SIEMENS

Data sheet

3RT2017-2LF42-1LA0



traction contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 110 V DC, 0.7-1.25* Us, with integrated varistor, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00, with plugged on series resistor, upright mounting position

•	
product brand name	SIRIUS
product designation	Power contactor
design of the product	With extended operating range
product type designation	3RT2
General technical data	
size of contactor	S00
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 	3.6 W
 at AC in hot operating state per pole 	1.2 W
 without load current share typical 	4 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 DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-40 +70 °C
during storage	-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	
 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	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	22 A
— up to 690 V at ambient temperature 60 °C rated value	20 A
 at AC-2 at 400 V rated value 	12 A
• at AC-3	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
● at AC-3e	
— at 400 V rated value	12 A
— at 500 V rated value	9.2 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
minimum cross-section in main circuit	
 at maximum AC-1 rated value 	4 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	0.071
at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	0.071
— at 24 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
with 3 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	20 A
— at 110 V rated value	0.1 A
• with 2 current paths in series at DC-3 at DC-5	
- at 24 V rated value	20 A
— at 110 V rated value	0.35 A
• with 3 current paths in series at DC-3 at DC-5	
- at 24 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A 0.2 A
operating power	0.27
at AC-2 at 400 V rated value	5.5 kW
■ at AU-2 at 400 v rateu value	0.0 KVV

• at AC-3		
— at 230 V rated value	3 kW	
— at 400 V rated value	5.5 kW	
— at 500 V rated value	5.5 kW	
— at 690 V rated value	5.5 kW	
• at AC-3e		
— at 230 V rated value	3 kW	
— at 400 V rated value	5.5 kW	
— at 500 V rated value	5.5 kW	
— at 690 V rated value	5.5 kW	
operating power for approx. 200000 operating cycles at AC-		
4	0.111	
• at 400 V rated value	2 kW	
at 690 V rated value	2.5 kW	
short-time withstand current in cold operating state up to 40 °C		
 limited to 1 s switching at zero current maximum 	200 A; Use minimum cross-section acc. to AC-1 rated value	
 limited to 5 s switching at zero current maximum 	123 A; Use minimum cross-section acc. to AC-1 rated value	
 limited to 10 s switching at zero current maximum 	96 A; Use minimum cross-section acc. to AC-1 rated value	
 limited to 30 s switching at zero current maximum 	74 A; Use minimum cross-section acc. to AC-1 rated value	
 limited to 60 s switching at zero current maximum 	61 A; Use minimum cross-section acc. to AC-1 rated value	
no-load switching frequency		
• at DC	1 500 1/h	
operating frequency		
 at AC-2 at AC-3e maximum 	750 1/h	
• at AC-4 maximum	250 1/h	
Control circuit/ Control		
type of voltage	DC	
type of voltage of the control supply voltage	DC	
control supply voltage at DC		
rated value	110 V	
operating range factor control supply voltage rated value of		
magnet coil at DC		
	0.7	
magnet coil at DC	0.7 1.25	
<pre>magnet coil at DC</pre>		
magnet coil at DC initial value full-scale value 	1.25	
magnet coil at DC	1.25 with varistor	
magnet coil at DC	1.25 with varistor 13 W	
magnet coil at DC	1.25 with varistor 13 W	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay	1.25 with varistor 13 W 4 W 25 130 ms	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 1 0 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 10 A 3 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 3 A 2 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 10 A 3 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 3 A 2 A 1 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 10 A 3 A 2 A 1 A 10 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 3 A 2 A 1 A 10 A 3 A 2 A 1 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 690 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 3 A 2 A 1 A 10 A 3 A 2 A 1 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 10 A 3 A 2 A 1 A 10 A 3 A 2 A 1 A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 1 A 10 A 3 A 2 A 1 A 10 A 3 A 2 A 1 A	
magnet coil at DC• initial value• full-scale valuedesign of the surge suppressorclosing power of magnet coil at DCholding power of magnet coil at DCclosing delay• at DCopening delay• at DCarcing timecontrol version of the switch operating mechanismAuxiliary circuitnumber of NC contacts for auxiliary contactsoperational current at AC-12 maximumoperational current at AC-15• at 230 V rated value• at 690 V rated value• at 110 V rated value• at 110 V rated value• at 125 V rated value• at 220 V rated value• at 220 V rated value• at 220 V rated value• at 24 V rated value• at 25 V rated value• at 220 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 3A 2A 1A 10 A 3A 2A 1A 10 A 3A 2A 1A	
magnet coil at DC • initial value • full-scale value design of the surge suppressor closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at DC opening delay • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts operational current at AC-12 maximum operational current at AC-15 • at 500 V rated value • at 690 V rated value • at 690 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	1.25 with varistor 13 W 4 W 25 130 ms 7 20 ms 10 15 ms E1 - A2 1 10 A 10 A 3 A 2 A 1 A 10 A 3 A 2 A 1 A	

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
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	11 A
• at 600 V rated value	11 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	2 hp
• for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
- at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
	A0007 Q000
Short-circuit protection	No
product function short circuit protection	No
design of the fuse link	
for short-circuit protection of the main circuit	
— with type of coordination 1 required	gG: 50A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	standing, on horizontal mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
side-by-side mounting	Yes
side-by-side mounting height	Yes 70 mm
height	70 mm
height width	70 mm 45 mm
height width depth	70 mm 45 mm
height width depth required spacing	70 mm 45 mm
height width depth required spacing • with side-by-side mounting	70 mm 45 mm 121 mm
height width depth required spacing • with side-by-side mounting — forwards	70 mm 45 mm 121 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards	70 mm 45 mm 121 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — upwards — upwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — forwards — upwards — at the side	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 6 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — upwards — upwards — upwards — at the side — downwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 6 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — forwards — at the side — for live parts — forwards • for live parts — forwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — at the side • for grounded parts — forwards — at the side — forwards — at the side — downwards • for live parts — forwards — upwards • for live parts — upwards — upwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - forwards - upwards - at the side - forwards - at the side - downwards • for live parts - forwards - upwards - downwards - forwards - downwards	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - forwards - upwards - forwards - nupwards - ownwards • for live parts - forwards - upwards - downwards • for live parts - downwards - at the side - downwards - upwards - at the side	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards • for live parts - at the side - downwards - at the side - downwards - at the side - downwards - at the side	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side - forwards - at the side - downwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards • for live parts - at the side - downwards - at the side - downwards - at the side Variable - downwards - at the side	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards • for live parts - at the side - downwards - at the side Connections/Terminals type of electrical connection • for main current circuit	70 mm 45 mm 121 mm 10 mm 10 mm 10 mm 0 mm 10 mm
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - upwards - forwards - upwards - forwards - upwards - for grounded parts - forwards - upwards - forwards - upwards - downwards • for live parts - forwards - upwards - downwards - forwards - upwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	70 mm 45 mm 121 mm 10 mm 1
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - downwards • for live parts - downwards - at the side Oconnections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts	70 mm 45 mm 121 mm 10 mm 1
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - downwards • for live parts - downwards - at the side Other connections/Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil	70 mm 45 mm 121 mm 10 mm 1
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts	70 mm 45 mm 121 mm 10 mm 1
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - downwards • for live parts - downwards - at the side Other connections/Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil	70 mm 45 mm 121 mm 10 mm 1
height width depth required spacing • with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts	70 mm 45 mm 121 mm 10 mm 20 mm 2

 finely stranded v 	with core end processing		2x (0.5 2.5 mm²)			
 finely stranded v 	without core end processing		2x (0.5 2.5 mm²)			
type of connectable of	conductor cross-sections					
 for auxiliary cont 	tacts					
— solid or stra			2x (0,5 4 mm²)			
— finely stran	nded with core end processin	ng	2x (0.5 2.5 mm²)			
	nded without core end proce	ssing	2x (0.5 2.5 mm²)			
	for auxiliary contacts		2x (20 12)			
section	ed connectable conductor	cross				
 for main contact 			20 12			
 for auxiliary cont 	tacts		20 12			
Safety related data						
product function						
	ccording to IEC 60947-4-1		Yes			
	operation according to IEC		No			
	mand rate according to SN	31920	1 000 000			
proportion of danger						
	d rate according to SN 3192		40 %			
	nd rate according to SN 319		73 %			
	ow demand rate according to		100 FIT			
T1 value for proof test 61508	interval or service life accor	ding to IEC	20 a			
protection class IP or	n the front according to IE	C 60529	IP20			
-	he front according to IEC	60529	finger-safe, for vertical contact	ct from the front		
Communication/ Proto	col					
product function bus	communication		No			
Certificates/ approvals						
General Product App	proval					
		Confirmatio	_	KC		
() E		<u>Confirmatio</u>		<u>KC</u>	EHC	
EMC	CCC Functional Safety/Safety of Ma- chinery	Confirmatio		KC Test Certificates	EAC	
EMC RCM	Safety/Safety of Ma-		Conformity		ERC Special Test Certific- ate	
Ô	Safety/Safety of Ma- chinery	Declaration of	Conformity	Test Certificates		
RCM	Safety/Safety of Ma- chinery	Declaration of	Conformity	Test Certificates		
RCM	Safety/Safety of Ma- chinery	Declaration of	Conformity	Test Certificates		
RCM Marine / Shipping	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf,	Test Certificates <u>Type Test Certificates</u> <u>ates/Test Report</u>		
RCM	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf,	Test Certificates		
RCM Marine / Shipping	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf,	Test Certificates <u>Type Test Certificates</u> <u>ates/Test Report</u>		
RCM Marine / Shipping	Safety/Safety of Ma- chinery Type Examination Cer- tificate	Declaration of UK	Conformity EG-Konf.	Test Certificates Type Test Certificates Type Test Certificates ates/Test Report Image: Certificates Image: Certificates Railway Special Test Certificates	<u>ate</u>	

Furtl	ner	info	rmat	ion

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=3RT2017-2LF42-1LA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2LF42-1LA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2LF42-1LA0

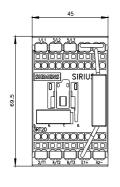
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

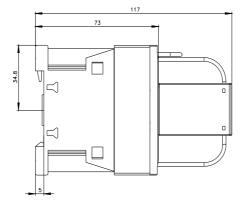
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2017-2LF42-1LA0&lang=en

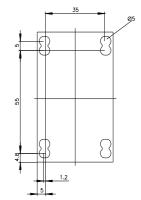
Characteristic: Tripping characteristics, I²t, Let-through current

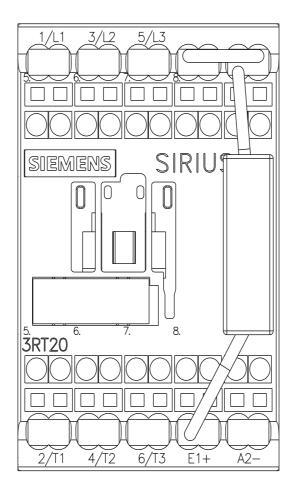
https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2LF42-1LA0/char

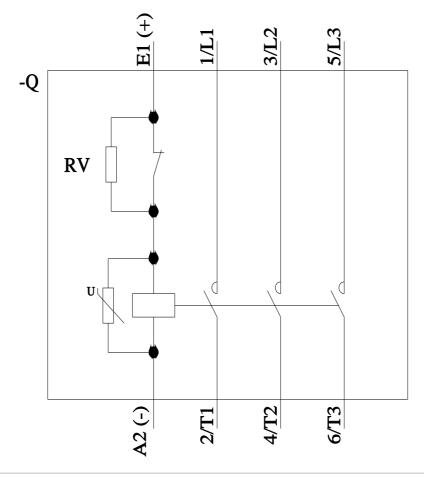
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2LF42-1LA0&objecttype=14&gridview=view1











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