## SIEMENS

## Data sheet

## 3RT2017-2FW42



power contactor, AC-3 12 A, 5.5 kW / 400 V 1 NC, 48 V DC, with diode integrated, 3-pole Size S00, Spring-type terminal

and duct have a some	
product brand name	SIRIUS Bauar contector
product designation	Power contactor
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	
<ul> <li>at AC in hot operating state</li> </ul>	1.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.5 W
without load current share typical	4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	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 (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
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 %

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	22 A
• 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-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
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	7.2 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	7.2 A
— up to 500 V for current peak value n=20 rated value	7.2 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	6.7 A
<ul> <li>at AC-6a         <ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul> </li> </ul>	4.8 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	4.8 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.8 A
— up to 690 V for current peak value n=30 rated value	4.8 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	4 mm <sup>2</sup>
cycles at AC-4	
• at 400 V rated value	4.1 A
• at 690 V rated value	3.3 A
operational current	
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
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
- at 24 V rated value	20 A
— at 110 V rated value	12 A
	1.6 A
— at 220 V rated value	
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

	20.4
— 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
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	0.1 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	20 A
— at 110 V rated value	0.35 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— 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
operating power	
at AC-2 at 400 V rated value	5.5 kW
• 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
	5.5 KW
• at AC-3e	2 144
— 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	
<ul> <li>at 400 V rated value</li> </ul>	2 kW
• at 690 V rated value	2.5 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	2.8 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	4.9 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	6.2 kVA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	8 kVA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1.9 kVA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	3.3 kVA
• up to 500 V for current peak value n=30 rated value	4.1 kVA
• up to 690 V for current peak value n=30 rated value	5.7 kVA
short-time withstand current in cold operating state up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	200 A; Use minimum cross-section acc. to AC-1 rated value
-	123 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> </ul>	
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	74 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 60 s switching at zero current maximum	61 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	10 000 1/b
• at DC	10 000 1/h
operating frequency	4.000.4/h
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC

control supply voltage at DC	
control supply voltage at DC	49.1/
rated value     operating range factor control supply voltage rated	48 V
value of magnet coil at DC	
• initial value	0.8
full-scale value	1.1
design of the surge suppressor	diode
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms
opening delay	
• at DC	38 65 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	1
instantaneous contact	
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	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	2 A
<ul> <li>at 60 V rated value</li> </ul>	2 A
<ul> <li>at 110 V rated value</li> </ul>	1 A
<ul> <li>at 125 V rated value</li> </ul>	0.9 A
<ul> <li>at 220 V rated value</li> </ul>	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	11 A
• at 600 V rated value	11 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	0.5 hp
— at 230 V rated value	2 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— 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
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
- with type of coordination 1 required	gG: 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)

mounting position         +100° rotation possible on vertical mounting surface: cond housing surface: fastening method           fastening method         screw and sang-on mounting onto 35 mm standard mounting rail according to DN EN 60715           • side-by-side mounting         Yes           height         70 mm           width         45 mm           deptin         73 mm           - upwards         10 mm           - downwards         10 mm           - sold	requirea			
Investige nounting         Investige nounting surface           scied-by-side mounting         accew and sage-on mounting could 35 mm standard mounting rail according to DIN EN 60715           height         70 mm           width         45 mm           depth         73 mm           required spacing         73 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - d	nstallation/ mounting/ dimensions			
• side-by-side mounting         Yes           height         70 mm           • depth         73 mm           required spacing         73 mm           • with side-by-side mounting         -           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - solid or stranded         2x (0.54 mm <sup>+</sup> )           <	mounting position			
height     70 mm       width     45 mm       depth     73 mm       required spacing     73 mm       • with side-by-side mounting     73 mm       - forwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - at he side     6 mm       Spring-loaded terminals       spring-loaded terminals       spring-loaded terminals       of or actualitary and control cicuit     spring-loaded terminals       i for and contacts     Spring-type terminals       of onger coll     Spring-type terminals       type of connectable conductor cross-sections     2x (0.5 4 mm <sup>2</sup>	fastening method			
width45 mmdepth73 mmrequired spacing73 mm• with side-by-side mounting73 mm• unwards10 mm- unwards10 mm- unwards10 mm- unwards0 mm- domwards10 mm- dommards10 mm- dommards10 mm- dommards10 mm- dommards5pring-loaded leminalsof maxiling and control circuitspring-loaded leminalsi at contactor for auxiliary contactsSpring-loaded leminals- solid2x (0.5	<ul> <li>side-by-side mounting</li> </ul>	Yes		
depth         73 mm           required spacing         *           • with side-by-side mounting         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         00 mm           - downwards         00 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - at the side         6 mm           - downwards         10 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm	height	70 mm		
evuited spacing         • with side-by-side mounting         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - at the side       6 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         Sonactaret bio contarc		45 mm		
with side-by-side mounting         -forwards         - upwards         10 mm         - upwards         10 mm         - downwards         10 mm         - downwards         10 mm         - downwards         10 mm         - downwards         10 mm         - upwards         10 mm         - downwards         10 mm         - upwards         10 mm         - downwards         - downwards         - downwards         - downwards	depth	73 mm		
with side-by-side mounting         -forwards         - upwards         10 mm         - upwards         10 mm         - downwards         10 mm         - downwards         10 mm         - downwards         10 mm         - downwards         10 mm         - upwards         10 mm         - downwards         10 mm         - upwards         10 mm         - downwards         - downwards         - downwards         - downwards	required spacing			
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• for grounded parts       0         - forwards       10 mm         - upwards       0 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       6 mm         - one main current circuit       spring-loaded terminals         * for main current circuit       spring-loaded terminals         * for main current circuit       spring-toget terminals         * of magnet coil       Spring-type terminals         * of magnet coil       Spring-type terminals         * of magnet coil       2x (0.5 4 mm <sup>2</sup> )         - solid       2x (0.5 25 mm <sup>2</sup> )         - solid or stranded       0.5 4 mm <sup>2</sup> • at AVG cables for main contacts       2x (0.5 4 mm <sup>2</sup> )         • solid       0.5 4 mm <sup>2</sup> • solid       0.5 4 mm <sup>2</sup> • solid       0.5 4 mm <sup>2</sup> • for availiary contacts       2x (0.5 4 mm <sup>2</sup> )         • for availiary contacts       2x (0.5 25 mm <sup>2</sup> )	•	10 mm		
• for grounded parts     0       - forwards     10 mm       - upwards     10 mm       - at the side     6 mm       - downwards     10 mm       - downwards     10 mm       - forwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     6 mm       - downwards     6 mm       - one minula     spring-loaded terminals       * for main current circuit     spring-loaded terminals       • for main current circuit     spring-type terminals       • for main current circuit     spring-type terminals       • for main contacts     Spring-type terminals       • of ranget coil     2x (0.5 4 mm <sup>2</sup> )       - solid     2x (0.5 2.5 mm <sup>2</sup> )       - solid or stranded     0.5 4 mm <sup>2</sup> • at AWG cables for main contacts     2x (0.5 4 mm <sup>2</sup> )       • at itality stranded without core end processing     0.5 4 mm <sup>2</sup> • ality stranded without core end processing     0.5 2.5 mm <sup>3</sup> • ality stranded without core end processing     0.5 2.5 mm <sup>3</sup> • for awaling vontacts		0 mm		
- forwards       10 mm         - upwards       00 mm         - at the side       6 mm         - downwards       10 mm         - for/wards       10 mm         - downwards       10 mm         - for/wards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       0 mm         - downwards       spring-loaded terminals         spring-loaded terminals       spring-loaded terminals         of magnet coil       2x (0.5 4 mm <sup>3</sup> )         - solid or stranded       2x (0.5 4 mm <sup>3</sup> )         - solid or stranded       0.5 4 mm <sup>3</sup> - solid or stranded with core end processing       0.5 2.5 mm <sup>3</sup>		•		
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• for live parts         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - at the side         6 mm           connections/ Terminals         5 mm           connections/ Terminals         5 pring-loaded terminals           of or auxiliary and control circuit         spring-loaded terminals           • for main current circuit         spring-loaded terminals           • for main current circuit         spring-loaded terminals           • for main contects         Spring-type terminals           • for main contacts         Spring-type terminals           • for main contacts         2x (0.5 4 mm²)           - solid         2x (0.5 2.5 mm²)           - solid or stranded with core end processing         2x (20 12)           connectable conductor cross-section for main contacts         2x (20 12)           • solid         0.5 4 mm²           • solid         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           • finely stranded with core end processing         0.5 2.5 mm²           • finely s				
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- downwards     10 mm       - at the side     6 mm       connections/ Terminals     5       type of electrical connection     spring-loaded terminals       i for main current circuit     spring-loaded terminals       i for auxiliary and control circuit     spring-loaded terminals       i of main current circuit     spring-type terminals       i of magnet coll     Spring-type terminals       i of main contacts     Spring-type terminals       - solid     2x (0.5 4 mm²)       - solid or stranded     2x (0.5 4 mm²)       - finely stranded with core end processing     2x (0.5 2.5 mm²)       - entels for main contacts     2x (20 12)       connectable conductor cross-section for main contacts     0.5 4 mm²       e solid     0.5 4 mm²       e solid     0.5 4 mm²       e solid     0.5 4 mm²       e solid without core end processing     0.5 2.5 mm²       e solid or stranded     0.5 4 mm²       e solid or stranded     0.5 2.5 mm²       e solid or stranded     0.5 4 mm²       e finely stranded without core end processing     0.5 2.5 mm²       e for auxiliary contacts     - solid       e solid or stranded     0.5 4 mm²       e finely stranded without core end processing     0.5 2.5 mm²				
at the side6 mmconnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminals• for main contacts- solid- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)• at AVVG cables for main contacts2x (20 12)• solid0.5 4 mm²• solid0.5 4 mm²• solid0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded with core end processing2x (20 12)• connectable conductor cross-section for main contacts0.5 4 mm²• solid0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded2x (0.5 4 mm²)• finely stranded with core end processing2x (0.5 2.5 mm² <t< td=""><td></td><td></td></t<>				
connections/ Terminals           type of electrical connection         spring-loaded terminals           • for auxiliary and control circuit         spring-loaded terminals           • at contactor for auxiliary contacts         Spring-type terminals           • of main current circuit         spring-type terminals           • of magnet coil         Spring-type terminals           type of connectable conductor cross-sections         • for main contacts           - solid         2x (0.5 4 mm²)           - solid or stranded         2x (0.5 2.5 mm²)           - finely stranded with core end processing         2x (0.5 2.5 mm²)           • at AVC cables for main contacts         2x (20 12)           connectable conductor cross-section for main contacts         0.5 4 mm²           • solid         0.5 4 mm²           • stranded         0.5 4 mm²           • solid         0.5 4 mm²           • stranded         0.5 4 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           • finely stranded with core end processing         0.5 2.5 mm² <tr< td=""><td></td><td></td></tr<>				
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<ul> <li>for main contacts         <ul> <li>for main contacts</li> <li>solid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> </ul> </li> <li>at AWG cables for main contacts</li> <li>at AWG cables for main contacts</li> </ul> <li>2x (0.5 4 mm<sup>2</sup>)</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 4 mm<sup>2</sup></li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.5 4 mm<sup>2</sup>)</li> <li>(0.5 2.5 mm<sup>2</sup>)</li> <li>(0.</li>	<ul> <li>of magnet coil</li> </ul>	Spring-type terminals		
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<ul> <li>finely stranded without core end processing</li> <li>o.5 2.5 mm<sup>2</sup></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>for auxiliary contacts</li> <li>solid or stranded</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>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0,5 4 mm<sup>2</sup>)</li> <li>2x (0,5 2.5 mm<sup>2</sup>)</li> <li>at AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross sections</li> </ul>				
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<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>o.5 2.5 mm<sup>2</sup></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>– solid cradels for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> </ul>		0.5 4 mm²		
<ul> <li>finely stranded without core end processing</li> <li>0.5 2.5 mm<sup>2</sup></li> <li>type of connectable conductor cross-sections         <ul> <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>at AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section</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)         • at AWG cables for auxiliary contacts         2x (20 12)				
<ul> <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>at AWG cables for auxiliary contacts</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (0.5 2.5 mm<sup>2</sup>)</li> <li>2x (20 12)</li> </ul>				
finely stranded with core end processing       2x (0.5 2.5 mm²)         finely stranded without core end processing       2x (0.5 2.5 mm²)         • at AWG cables for auxiliary contacts       2x (0.5 2.5 mm²)         AWG number as coded connectable conductor cross       2x (20 12)	-	$2x (0.5 - 4 \text{ mm}^2)$		
- finely stranded without core end processing       2x (0.5 2.5 mm²)         • at AWG cables for auxiliary contacts       2x (20 12)         AWG number as coded connectable conductor cross section       2x (20 12)				
• at AWG cables for auxiliary contacts 2x (20 12) AWG number as coded connectable conductor cross section				
AWG number as coded connectable conductor cross section				
	AWG number as coded connectable conductor cross	ZA (ZV 1Z)		
	for main contacts	20 12		

<ul> <li>for auxiliary cor</li> </ul>	ntacts		20 12		
Safety related data					
product function					
<ul> <li>mirror contact a</li> </ul>	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>				
B10 value with high demand rate according to SN 31920		1 000 000			
proportion of dangerous failures					
<ul> <li>with low deman</li> </ul>	id rate according to SN	31920	40 %		
-	nd rate according to SN		73 %		
failure rate [FIT] with low demand rate according to SN 31920		100 FIT			
T1 value for proof test interval or service life according to IEC 61508		20 у			
protection class IP c 60529	on the front according	to IEC	IP20		
-	the front according to	DIEC 60529	finger-safe, for vertical co	ntact from the front	
<ul><li>suitability for use</li><li>safety-related s</li></ul>	witching OFF		Yes		
ertificates/ approval	-				
General Product Ap					
SP SM	<u>Confirmation</u>			KC	EHC
EMC	Functional Safety/Safety of Machinery	Declaration of	of Conformity	Test Certificates	
	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.	UK CA	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific</u> <u>ate</u>
Marine / Shipping					
ABS	BUREAU VERITAS		Hoyd's Register urs	PRS	RINA
Marine / Shipping	other		Dangerous Good		
KMRS	<u>Confirmation</u>	UDE VDE	<u>Transport Informa-</u> tion		
urther information	wnloadcenter (Catalo	as. Brochures	.)		
https://www.siemens.u Industry Mall (Online	<u>com/ic10</u> e ordering system) iemens.com/mall/en/en	-	?mlfb=3RT2017-2FW42		

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2FW42

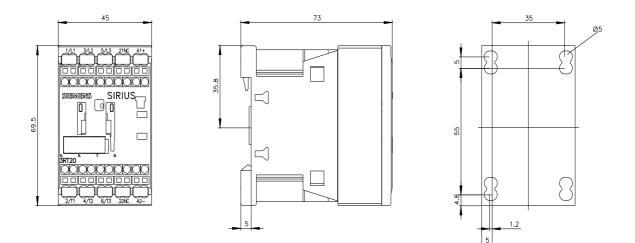
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2FW42

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-2FW42&lang=en

Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

## https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2FW42/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2017-2FW42&objecttype=14&gridview=view1



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