## SIEMENS

## Data sheet

## 3RT2015-1BA42



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 12 V DC, auxiliary contacts: 1 NC, screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>auxiliary switch</li> </ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	0.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W
<ul> <li>without load current share typical</li> </ul>	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	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating 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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
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</li> </ul>	18 A
rated value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C	18 A
rated value	
— up to 690 V at ambient temperature 60 °C rated value	16 A
• at AC-3	
- at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 600 V rated value	4.9 A
• at AC-3e	4.5 A
• at AC-se — at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 600 V rated value	4.9 A
	4.9 A 6.5 A
at AC-4 at 400 V rated value     at AC 5a up to 600 V rated value	0.5 A 15.8 A
at AC-5a up to 690 V rated value	15.8 A
• at AC-5b up to 400 V rated value	9.0 A
• at AC-6a	4.0
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	4 A
— up to 400 V for current peak value n=20 rated	4 A
value	77
— up to 500 V for current peak value n=20 rated	3.8 A
value	
— up to 690 V for current peak value n=20 rated	3.6 A
value	
● at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated</li> </ul>	2.7 A
value	
— up to 400 V for current peak value n=30 rated	2.7 A
value — up to 500 V for current peak value n=30 rated	2.5 A
value	2.5 A
— up to 690 V for current peak value n=30 rated	2.4 A
value	
minimum cross-section in main circuit at maximum AC-1	2.5 mm <sup>2</sup>
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
• with 2 current paths in series at DC-1	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
• with 3 current paths in series at DC-1	45.4
— at 24 V rated value	15 A
— at 60 V rated value	15 A

— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	0.35 A
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	15 A
— at 60 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	1.2 A
— at 440 V rated value	0.14 A
— at 600 V rated value	0.14 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	3 kW
• at AC-3	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
• at AC-3e	
— at 230 V rated value	1.5 kW
— at 400 V rated value	3 kW
— at 500 V rated value	3 kW
— at 690 V rated value	4 kW
operating power for approx. 200000 operating cycles at AC-4	
<ul> <li>at 400 V rated value</li> </ul>	1.15 kW
<ul> <li>at 690 V rated value</li> </ul>	1.15 kW
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	1.5 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	2.7 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	3.3 kVA
• up to 690 V for current peak value n=20 rated value	4.3 kVA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	1 kVA
• up to 400 V for current peak value n=30 rated value	1.8 kVA
• up to 500 V for current peak value n=30 rated value	2.2 kVA
• up to 690 V for current peak value n=30 rated value	2.9 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>	120 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	43 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	10 000 1/h
operating frequency	
<ul> <li>at AC-1 maximum</li> </ul>	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	
<ul> <li>rated value</li> </ul>	12 V
operating range factor control supply voltage rated	

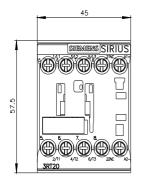
operating range factor control supply voltage rated

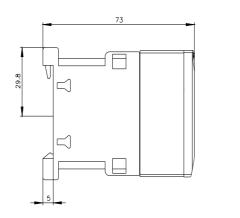
value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
closing power of magnet coil at DC	4 W
holding power of magnet coil at DC	4 W
closing delay	- VV
• at DC	30 100 ms
opening delay	
• at DC	7 13 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts 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
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	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
<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
<ul> <li>at 600 V rated value</li> </ul>	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	
<ul> <li>at 480 V rated value</li> </ul>	4.8 A
• at 600 V rated value	6.1 A
yielded mechanical performance [hp]	
for single-phase AC motor	
— at 110/120 V rated value	0.25 hp
— at 230 V rated value	0.75 hp
• for 3-phase AC motor	4.5 km
- at 200/208 V rated value	1.5 hp
- at 220/230 V rated value	2 hp
— at 460/480 V rated value — at 575/600 V rated value	3 hp 5 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> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V,
	80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
	forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	00710

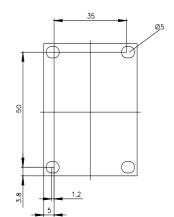
heigh         9 mm           wide         9 mm           wide         9 mm           wide         9 mm           depth         73 mm           required spacing         0 mm	<ul> <li>side-by-side mounting</li> </ul>	Yes
win4 mmdepth73 mmrequired spacing73 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10		
epsilt73 mmrequired spacing	-	
result associng         - forwards         10 mm           - moreards         10 mm           - moreards         10 mm           - moreards         10 mm           - downwards         10 mm           - downards         10 mm           - downards         10 mm           - downards         10 mm           - downards         sorme-type terminals           - downards         Sorme-type terminals           - downards         Sorme-type terminals           - for audiary cortadacd         <		
<ul> <li>with side-by-side mounting</li> <li>— Iowards</li> <li>10 mm</li> <li>— upwards</li> <li>10 mm</li> <li>— or yowards</li> <li>10 mm</li> <li>— at the side</li> <li>0 mm</li> <li>— at the side</li> <li>0 mm</li> <li>— forwards</li> <li>10 mm</li> <li>— upwards</li> <li>10 mm</li> <li>= didu</li> <li>5 crew-type terminals</li> <li>Screw-type terminals</li> <li>Screw-typ</li></ul>	•	
<ul> <li>- lowards</li> <li>10 mm</li> <li>- gowards</li> <li>00 mm</li> <li>- downwards</li> <li>00 mm</li> <li>- downwards</li> <li>00 mm</li> <li>- downwards</li> <li>00 mm</li> <li>- gowards</li> <li>00 mm</li> <li>- upwards</li> <li>10 mm</li> <li>- upwards</li> <li>10 mm</li> <li>- downwards</li> <li>-</li></ul>		
		10 mm
- downwards 10 mm - downwards 0 mm - for younded parts 0 mm - for younded parts 10 mm - upwards 10 mm - upwards 10 mm - at the side 6 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 0 mm - for live parts 10 mm - upwards 10 mm - upwards 10 mm - upwards 10 mm - downwards 20 mm - forly stranded 10 core end processing 20 for sullary cortacts - solid 0 for stranded 0 for stranded 0 for stranded 0 for sullary cortacts - solid 0 for stranded 0 for stranded 0 for stranded 0 for sullary cortacts 20 mm - forly stranded whin core end processing 22 (0 for 1 form <sup>2</sup> ), 2x (0 for 2 form <sup>2</sup> ), 2x 4 mm <sup>2</sup> - for auliary contacts 20 mm - forly stranded whin core end processing 22 (0 for 1 form <sup>2</sup> ), 2x (0 for 2 form <sup>2</sup> ), 2x 4 mm <sup>2</sup> - for auliary contacts 20 mm - forly stranded whin core end processing 22 (0 for 1 form <sup>2</sup> ), 2x (0 for 2 form <sup>2</sup> ), 2x 4 mm <sup>2</sup> - for auliary contacts 20 mm - forly stranded whin core end processing 22 (0 for 1 form <sup>2</sup> ), 2x (0 for 2 form <sup>2</sup> ), 2x 4 mm <sup>2</sup> - for auliary contacts 20 mm - forly stranded whin core end processing 20 mm - forly stranded whin core end processing 20 mm - forly stranded 20 mm - forly st		
at the side     0 mm       • for grounded parts     10 mm       upwards     10 mm       at the side     6 mm       downwards     10 mm       forwards     10 mm       downwards     50 mm       downwards     50 mm       downwards     Screw-type terminals       at downwards     50 mm <sup>2</sup> , 24 0.75 25 mm <sup>2</sup> , 24 mm <sup>2</sup> for auxillary contacts     2x (0.5 15		10 mm
for grounded parts <ul> <li>for grounded parts</li> <li>for yourds</li> <li>for main estate</li> <li>for wards</li> <li>for mine</li> <li>extrementation</li> <li>for live parts</li> <li>for wards</li> <li>for main</li> <li>downwards</li> <li>for main</li> <li>downwards</li> <li>for main</li> <li>extrementation</li> <li>for main current circuit</li> <li>screew-type terminals</li> <li>for auxiliary contacts</li> <li>screew-type terminals</li> <li>of magnet coll</li> </ul> <ul> <li>for auxiliary contacts</li> <li>screew-type terminals</li> <li>for auxiliary contacts</li> <li>screew-type terminals</li> <li>screew-type terminals</li> <li>for auxiliary contacts</li> <li>screew-type terminals</li> <li>screew-type t</li></ul>		
- Gowards       10 mm         - upwards       0 mm         - downwards       10 mm         - downwards       10 mm         - for live parts       10 mm         - upwards       10 mm         - downwards       0 m		
upwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmupwards10 mmupwards10 mmupwards10 mmupwards10 mmupwards10 mmdownwards10 mmdownwards10 mmdownwards10 mmdownwards0 mmdownwards <td>6</td> <td>10 mm</td>	6	10 mm
drihe side downards 10 mm forwards 10 mm gownards 10 mm gownards 10 mm downards 10 mm downards d		10 mm
<ul> <li>for live parts         <ul> <li>for words</li> <li>upwards</li> <li>upwards</li></ul></li></ul>		6 mm
- forwards10 mm- upwards10 mm- downwards10 mm- at the side8 mmConnection (Terminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals• of angret colScrew-type terminals• solid2x (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm²• solid2x (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm²• solid0.5 4 mm²• strandedmonetable conductor cross-section for auxiliary• finely stranded with core end processing0.5 4 mm²• for auxiliary contacts2x (0.75 2.5 mm²), 2x (0.75 2.5 mm²)• of auxiliary contacts2x (0.5 15 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 15 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 15 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 15 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 15 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 15 mm²), 2x (0.75	— downwards	10 mm
- forwards10 mm- upwards10 mm- downwards10 mm- at the side8 mmConnection(Forminals• for auxiliary and control circuitscrew-type terminals• for auxiliary and control circuitscrew-type terminals• of auxiliary contactsScrew-type terminals• solid2x (0.5 1.5 mm?), 2x (0.75 2.5 mm?), 2x 4 mm²• solid or stranded0.5 4 mm²• solid0.5 4 mm²• solid0.5 4 mm²• solid0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²), 2x (0.75 2.5 mm²)• for auxiliary contacts0.5 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (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), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (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 (0.5 1.5 mm²), 2x (		
- downwards - at the side     10 mm 6 mm       - at the side     6 mm       - connection? Torminals     5 main current circuit       • for an auxiliary and control circuit     screw-type terminals       • at contactor for auxiliary contacts     Screw-type terminals       • of angrie coll     Screw-type terminals       • solid     Screw-type terminals       • solid or stranded     2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 25 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded     0.5 4 mm <sup>2</sup> • finely stranded with core end processing     0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing     0.5 2.5 mm <sup>2</sup> • or auxiliary contacts     2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>4</sup> • finely stranded with core end processing     2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       • or auxiliary contacts     2x (0.5 15 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )       • or auxiliary contacts     20 12		10 mm
- downwards     0 mm       - at the side     6 mm       Connection Terminals     screw-type terminals       i for auxiliary and control circuit     screw-type terminals       i at contactor for auxiliary contacts     Screw-type terminals       of magnet col     Screw-type terminals       ype of connectable conductor cross-sections for main contacts     Screw-type terminals       i solid     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       i solid or stranded     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       i solid or stranded     0.5 4 mm²       i stranded     0.5 4 mm²       i stranded     0.5 4 mm²       ornectable conductor cross-section for auxiliary contacts     Screw-type terminals       i stranded     0.5 4 mm²       ornectable conductor cross-section for auxiliary contacts     Screw-type terminals       i finely stranded with core end processing     0.5 4 mm²       ornectable conductor cross-sections     0.5 4 mm²       i finely stranded with core end processing     0.5 2.5 mm²       ornectable conductor cross-sections     Screw-type terminals       i for auxiliary contacts     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²       ornectable conductor cross-sections     Screw-type terminals       i for auxiliary contacts     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	— upwards	10 mm
Connections/ is for main current circuit is a contact for auxiliary and control circuit is a contact for auxiliary contacts is of magnet coll type of connectable conductor cross-sections for main contacts is solid is solid or stranded in fiely stranded with core end processing connectable conductor cross-section for main contacts is solid is solid or stranded infley stranded with core end processing connectable conductor cross-section for main contacts is solid or stranded is finally stranded with core end processing connectable conductor cross-section for auxiliary contacts is solid or stranded infley stranded with core end processing connectable conductor cross-section for auxiliary contacts is solid or stranded infley stranded with core end processing infley stranded with core end processing is for auxiliary contacts is solid or stranded infley stranded with core end processing is for auxiliary contacts is oblid or stranded infley stranded with core end processing is at AVC cables for auxiliary contacts is of auxiliary contacts i	•	10 mm
Connections/ is for main current circuit is a contact for auxiliary and control circuit is a contact for auxiliary contacts is of magnet coll type of connectable conductor cross-sections for main contacts is solid is solid or stranded in fiely stranded with core end processing connectable conductor cross-section for main contacts is solid is solid or stranded infley stranded with core end processing connectable conductor cross-section for main contacts is solid or stranded is finally stranded with core end processing connectable conductor cross-section for auxiliary contacts is solid or stranded infley stranded with core end processing connectable conductor cross-section for auxiliary contacts is solid or stranded infley stranded with core end processing infley stranded with core end processing is for auxiliary contacts is solid or stranded infley stranded with core end processing is for auxiliary contacts is oblid or stranded infley stranded with core end processing is at AVC cables for auxiliary contacts is of auxiliary contacts i		
type of electrical connection <ul> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> <li>Screw-type terminals</li></ul>		
• for main current circuit         screw-type terminals           • for auxiliary and control circuit         screw-type terminals           • of magnet coil         Screw-type terminals           • of magnet coil         Screw-type terminals           • solid         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup> • finely stranded with core end processing         0.5 4 mm <sup>2</sup> • solid or stranded         0.5 4 mm <sup>2</sup> • finely stranded with core end processing         0.5 2.5 mm <sup>2</sup> • finely stranded with core end processing         0.5 2.5 mm <sup>2</sup> • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for main contacts		
• for auxiliary and control circuit         screw-type terminals           • at contactor for auxiliary contacts         Screw-type terminals           • of magnet coil         Screw-type terminals           ype of connectable conductor cross-sections for main contacts         Screw-type terminals           • solid         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), 2x 4 mm <sup>2</sup> • solid or stranded         0.5 4 mm <sup>3</sup> • solid         0.5 4 mm <sup>3</sup> • solid or stranded with core end processing         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> • finely stranded with core end processing         0.5 2.5 mm <sup>3</sup> • finely stranded with core end processing         0.5 2.5 mm <sup>3</sup> • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> )           • for auxiliary contacts         20 12           • for main conta		screw-type terminals
et contactor for auxiliary contacts     e of magnet coil     yop of connectable conductor cross-sections for main     contacts     eoild     eoild or stranded     eoild or stranded     eoild or stranded     eoild or stranded     eoild     eo		
• of magnet coll       Screw-bybe terminals         type of connectable conductor cross-sections for main contacts       > solid         • solid or stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • inely stranded with core end processing       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²         • solid       0.5 4 mm²         • solid or stranded       0.5 4 mm²         • nely stranded with core end processing       0.5 2.5 mm²         connectable conductor cross-section or auxiliary contacts       - Solid or stranded         • solid or stranded       0.5 1.5 mm²), 2x (0.75 2.5 mm³), 2x 4 mm²         • for auxiliary contacts       - solid or stranded         • for lay stranded with core end processing       0.5 1.5 mm²), 2x (0.75 2.5 mm³), 2x 4 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm³), 2x 4 mm²         • for auxiliary contacts       20 12		
type of connectable conductor cross-sections for main contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• solid0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²)• solid or stranded0.5 4 mm² 0.5 2.5 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²)• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.75 2.5 mm²)• for auxiliary contacts20 12 20 16), 2x (18 14), 2x 12• for auxiliary contacts20 12 20 12• for auxiliary contacts20 12 1000 000• frailuria contact20 12• for auxiliary contacts20 12• with high demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate for prof lest interval or service life according to SN 31920 fill be the fort according to EC 60529 fouch protection on the front according to IEC 60529 fouch protection on the front according to IEC 6052	-	
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>2x (0, 5 1, 5 mm<sup>2</sup>), 2x (0, 75 2, 5 mm<sup>2</sup>)</li> <li>2x (0, 5 1, 5 mm<sup>2</sup>), 2x (0, 75 2, 5 mm<sup>2</sup>)</li> <li>2x (0, 5 1, 5 mm<sup>2</sup>), 2x (0, 75 2, 5 mm<sup>2</sup>)</li> <li>solid</li> <li>ostianded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostanded with core end processing</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostanded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostid or stranded</li> <li>ostanded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostanded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostid or stranded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostid or stranded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>0, 5 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>ostid or stranded</li> <li>2, 5 2, 5 mm<sup>2</sup></li> <li>2, 5 mm<sup>2</sup>, 2x (0, 75 2, 5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></li> <li>ostid or stranded</li> <li>2x (0, 5 1, 5 mm<sup>2</sup>), 2x (0, 75 2, 5 mm<sup>2</sup>), 2x 4 mm<sup>2</sup></li> <li>2x (20 16), 2x (18 14), 2x 12</li> <li>2x (20 16), 2x (18 14), 2x 12</li> <li>Safety related data</li> <li>of rauxiliary contacts</li> <li>20 12</li> <li>of rauxiliary contacts</li></ul>	type of connectable conductor cross-sections for main	
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts</li> <li>solid</li> <li>0.5 4 mm<sup>2</sup></li> <li>ostranded with core end processing</li> <li>0.5 4 mm<sup>2</sup></li> <li>ostranded</li> <li>0.5 4 mm<sup>2</sup></li> <li>0.5 2.5 mm<sup>3</sup></li> <li>2.5 mm<sup>2</sup></li> <li>2.5 m<sup>2</sup></li> <li>2.5 m<sup>2</sup><td>• solid</td><td>2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²</td></li></ul>	• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
<ul> <li>finely stranded with core end processing</li> <li>2x (0.5 1.5 mm<sup>2</sup>), 2x (0.75 2.5 mm<sup>2</sup>)</li> <li>solid</li> <li>osolid</li> <li>osolid</li> <li>osolid</li> <li>osolid</li> <li>osolid</li> <li>osolid or stranded</li> <li>osolid or stranded</li> <li>osolid or stranded</li> <li>of mely stranded with core end processing</li> <li>osolid or stranded</li> <li>osolid or stranded</li> <li>of auxiliary contacts</li> <li>of or auxiliary contacts</li> <li>of or auxiliary contacts</li> <li>a solid or stranded</li> <li>of or auxiliary contacts</li> <li>a solid or stranded</li> <li>of or auxiliary contacts</li> <li>a solid or stranded with core end processing</li> <li>a solid or stranded with core end processing</li> <li>a tAWC cables for auxiliary contacts</li> <li>a for main contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>a for main contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>d auxiliary contacts</li> <li>auxiliary contacts</li> <li>auxiliary contacts</li> <li>auxiliary contacts</li> <li>auxiliary contacts</li> <li>auxiliary contacts</li> <li>auxiliary contacts</li></ul>	<ul> <li>solid or stranded</li> </ul>	
contacts• solid0.5 4 mm²• stranded0.5 4 mm²• finely stranded with core end processing0.5 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• for auxiliary contacts0.5 4 mm²• for auxiliary contacts0.5 2.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• for auxiliary contacts20 12• for main contacts20 12• for main contacts20 12Safety related data1000 000product function1 1000 000• minor contact according to EC 60947-4-1YesB10 value with high demand rate according to SN 3192073 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192020 aIEC 61508IP20group test interval or service life according to IEC 6052920 asuitability for useIEC 60529suitability for usefinger-safe, for vertical contact from the front	<ul> <li>finely stranded with core end processing</li> </ul>	
<ul> <li>stranded</li> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>of auxiliary contacts</li> <li>of auxiliary contacts</li> <li>a solid or stranded</li> <li>finely stranded with core end processing</li> <li>of auxiliary contacts</li> <li>a solid or stranded</li> <li>finely stranded with core end processing</li> <li>a tAWG cables for auxiliary contacts</li> <li>a tAWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>a for main contacts</li> <li>for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a tawing contacts</li> <li>a tawing contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a tawing contacts</li> <li>a tawing contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a tawing contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a tawing contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a tawing the demand rate according to SN 31920</li> <li>a with low demand rate according to SN 31920</li> <li>a with low demand rate according to SN 31920</li> <li>a with low demand rate according to SN 31920</li> <li>a tawing travel according to SN 31920</li> <li>a tawing travel according to SN 31920</li> <li>b for the front according to IEC 60529</li> <li>a tawing the front according to IEC 60529</li> <li>a tawing the front according to IEC 60529</li> <li>a tawing travel according to IEC 605</li></ul>		
• finely stranded with core end processing connectable conductor cross-section for auxiliary contacts0.5 2.5 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²type of connectable conductor cross-sections • for auxiliary contacts0.5 2.5 mm²• solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- solid or stranded with core end processing • finely stranded with core end processing • at AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• at AWG cables for auxiliary contacts section2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• for main contacts • for main contacts20 12• for auxiliary contacts1000 000product function • miror contact according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 T1 value for proof test interval or service life according to SN 3192040 %T1 value for proof test interval or service life according to SN 3192020 aT1 value for proof test interval or service life according to EC 6052920 afuce rate [FIT] with low demand rate according to EC 60529 suitability for use20 a	• solid	0.5 4 mm²
connectable conductor cross-section for auxiliary contacts0.5 4 mm²• solid or stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• type of connectable conductor cross-sections• finely stranded with core end processing• for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²- finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²• at AWG cables for auxiliary contacts2x (20 16), 2x (18 14), 2x 12AWG number as coded connectable conductor cross20 12• for auxiliary contacts20 12• for auxiliary contacts20 12Safety related data1000 000product function1000 000• with high demand rate according to SN 319201000 000proportion of dangerous failures40 %• with low demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192073 %11 value for proof test interval or service life according to SN 3192020 a12 cost20 aprotection class IP on the front according to IEC 60529Inger-safe, for vertical contact from the frontsuitability for usefor vertical contact from the front	<ul> <li>stranded</li> </ul>	0.5 4 mm²
contacts	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> <li>fype of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>a tAWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> <li>a to main contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>b for auxiliary contacts</li> <li>c for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for auxiliary contacts</li> <li>a for</li></ul>		
type of connectable conductor cross-sections• for auxiliary contacts- solid or stranded- finely stranded with core end processing• at AWG cables for auxiliary contactsAWG number as coded connectable conductor crosssection• for main contacts• for auxiliary contacts20 12Safety related dataproduct function• mirror contact according to IEC 60947-4-19 mirror contact according to SN 31920product function• with low demand rate according to SN 31920proportion of dangerous failures• with low demand rate according to SN 319201000 D00proportion of tangerous failures• with low demand rate according to SN 31920100 FIT31920T1 value for proof test interval or service life according to IEC 60529protection class IP on the front according to IEC 60529suitability for use	<ul> <li>solid or stranded</li> </ul>	
<ul> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> <li>Safety related data</li> <li>with low demand rate according to IEC 60947-4-1</li> <li>Yes</li> <li>B10 value with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 60529</li> <li>protection on the front according to IEC 60529</li> <li>suitability for use</li>	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
solid or stranded2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² finely stranded with core end processing2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)• at AWG cables for auxiliary contacts2x (20 16), 2x (18 14), 2x 12AWG number as coded connectable conductor cross section20 12• for main contacts20 12• for auxiliary contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 319201 000 000• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %• with low demand rate according to SN 3192073 %• failure rate [FIT] with low demand rate according to SN 31920100 FIT• sith bigh demand rate according to SN 3192020 a• cord to the front according to IEC 6052920 a• protection on the front according to IEC 60529IP20• for protection on the front according to IEC 60529finger-safe, for vertical contact from the front	type of connectable conductor cross-sections	
finely stranded with core end processing • at AWG cables for auxiliary contacts2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12AWG number as coded connectable conductor cross section2x (20 16), 2x (18 14), 2x 12AWG number as coded connectable conductor cross section20 12for main contacts • for auxiliary contacts20 12of auxiliary contacts20 12Safety related data100 000product function • mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920 • with high demand rate according to SN 319201000 000proportion of dangerous failures • with high demand rate according to SN 31920 • with high demand rate according to SN 3192040 %failure rate [FIT] with low demand rate according to SN 13920100 FITT1 value for proof test interval or service life according to IEC 60529 fouch protection on the front according to IEC 60529 suitability for useIP20	-	
• at AWG cables for auxiliary contacts       2x (20 16), 2x (18 14), 2x 12         AWG number as coded connectable conductor cross section       • for main contacts         • for main contacts       20 12         • for auxiliary contacts       20 12         Safety related data       20 12         product function       • mirror contact according to IEC 60947-4-1         • mirror contact according to SN 31920       1 000 000         proportion of dangerous failures       • with high demand rate according to SN 31920         • with high 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       73 %         T1 value for proof test interval or service life according to IEC 60529       20 a         IP20       IP20         fostezion class IP on the front according to IEC 60529       IP20         fouch protection on the front according to IEC 60529       IP20         suitability for use       finger-safe, for vertical contact from the front		
AWG number as coded connectable conductor cross section20 12• for main contacts20 12• for auxiliary contacts20 12Safety related dataproduct function • mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 31920 proportion of dangerous failures • with how demand rate according to SN 31920 • with high demand rate according to SN 31920 • T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 suitability for use20 a		
section• for main contacts20 12• for auxiliary contacts20 12Safety related dataproduct function• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 319201 000 000proportion of dangerous failures-• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %• with high demand rate according to SN 3192073 %• failure rate [FIT] with low demand rate according to SN 31920100 FIT3192071 value for proof test interval or service life according to SN IEC 6150820 aprotection class IP on the front according to IEC 60529 suitability for useIP20	•	2x (20 16), 2x (18 14), 2x 12
• for main contacts20 12• for auxiliary contacts20 12Safety related dataproduct functionYes• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 319201 000 000proportion of dangerous failures40 %• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 3192020 aT1 value for proof test interval or service life according to IEC 6052920 aprotection class IP on the front according to IEC 60529IP20suitability for useIP20		
• for auxiliary contacts20 12Safety related dataproduct function• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 319201000 000proportion of dangerous failures40 %• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN100 FIT3192071 value for proof test interval or service life according to IEC 6052920 aprotection class IP on the front according to IEC 60529IP20fouch protection on the front according to IEC 60529inger-safe, for vertical contact from the frontsuitability for useSite Gase		2012
Safety related data         product function       • mirror contact according to IEC 60947-4-1       Yes         B10 value with high demand rate according to SN 31920       1 000 000         proportion of dangerous failures       • with low demand rate according to SN 31920       40 %         • with high demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       73 %         failure rate [FIT] with low demand rate according to SN 31920       20 a         T1 value for proof test interval or service life according to IEC 61508       20 a         protection class IP on the front according to IEC 60529       IP20         60529       finger-safe, for vertical contact from the front         suitability for use       finger-safe, for vertical contact from the front		
product functionYes• mirror contact according to IEC 60947-4-1YesB10 value with high demand rate according to SN 319201 000 000proportion of dangerous failures• with low demand rate according to SN 31920• with low demand rate according to SN 3192040 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FIT319203192020 aT1 value for proof test interval or service life according to IEC 6150820 aprotection class IP on the front according to IEC 60529IP20touch protection on the front according to IEC 60529finger-safe, for vertical contact from the front service for the for the front service for the for the front service f		
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>Pione with high demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 60529</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>suitability for use</li> </ul>		
B10 value with high demand rate according to SN 31920 proportion of dangerous failures1 000 000• with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 3192040 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6150820 aprotection class IP on the front according to IEC 60529IP20touch protection on the front according to IEC 60529 suitability for usefinger-safe, for vertical contact from the front service life according to IEC 60529		Yes
proportion of dangerous failures40 %• with low demand rate according to SN 3192073 %• with high demand rate according to SN 3192073 %failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6150820 aprotection class IP on the front according to IEC 60529IP20touch protection on the front according to IEC 60529finger-safe, for vertical contact from the front		
<ul> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>finger-safe, for vertical contact from the front service.</li> </ul>		
<ul> <li>with high demand rate according to SN 31920</li> <li>failure rate [FIT] with low demand rate according to SN 31920</li> <li>T1 value for proof test interval or service life according to IEC 61508</li> <li>protection class IP on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>touch protection on the front according to IEC 60529</li> <li>finger-safe, for vertical contact from the front service if according to IEC 60529</li> </ul>		40 %
failure rate [FIT] with low demand rate according to SN 31920100 FITT1 value for proof test interval or service life according to IEC 6150820 aprotection class IP on the front according to IEC 60529IP20touch protection on the front according to IEC 60529finger-safe, for vertical contact from the front front according to IEC 60529	-	
T1 value for proof test interval or service life according to IEC 6150820 aprotection class IP on the front according to IEC 60529IP20touch protection on the front according to IEC 60529finger-safe, for vertical contact from the frontsuitability for usefinger-safe, for vertical contact from the front	failure rate [FIT] with low demand rate according to SN	
60529         touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front         suitability for use       suitability for use	T1 value for proof test interval or service life according to	20 a
suitability for use	•	IP20
safety-related switching OFF Yes		finger-safe, for vertical contact from the front
	<ul> <li>safety-related switching OFF</li> </ul>	Yes

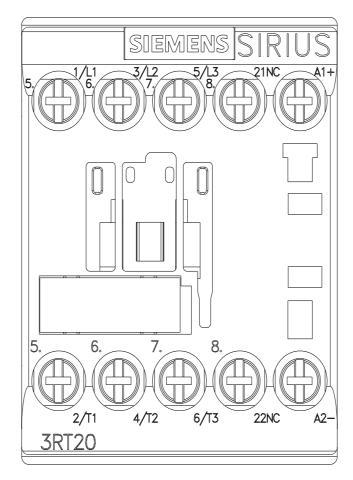
Certificates/ approval	S				
General Product Ap	proval				
		<u>Confirmation</u>	(U) u	<u>KC</u>	EAC
EMC	Functional Safety/Safety of Machinery	Declaration of Con	formity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					
ABS	B U REAU VERITAS		Lloyd's Register us	PRS	RINA
Marine / Shipping	other		Railway	Dangerous Good	
KMRS	Confirmation		Vibration and Shock	<u>Transport Informa-</u> <u>tion</u>	
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=3RT2015-1BA42 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1BA42					
http://support.automat Service&Support (M	tion.siemens.com/WW/ anuals, Certificates, C	haracteristics, FAQs	,)	<u>15-1BA42</u>	
Image database (pro	https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1BA42 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1BA42⟨=en				
Characteristic: Tripp https://support.industr	n.siemens.com/bilddb/c bing characteristics, I <sup>2</sup> y.siemens.com/cs/ww/e	t, Let-through current en/ps/3RT2015-1BA42	t <u>/char</u>		

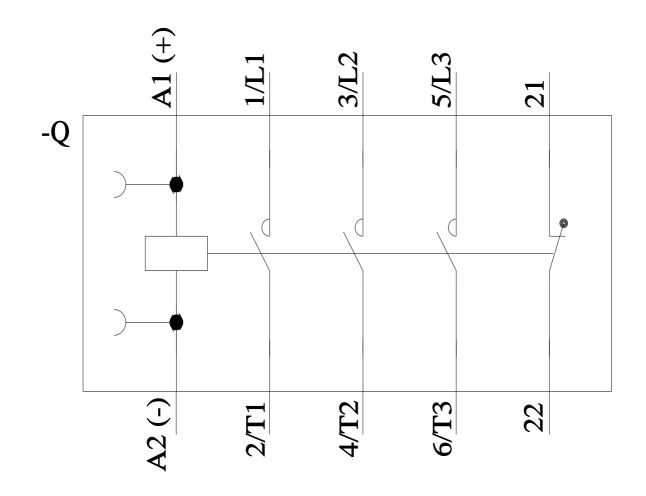
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1BA42&objecttype=14&gridview=view1











last modified:

2/10/2023 🖸