## SIEMENS

## Data sheet

## 3RT2017-2AN21



power contactor, AC-3e/AC-3, 12 A, 5.5 kW / 400 V, 3-pole, 220 V AC, 50/60 Hz, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00

412 KAS TRU R	
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
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
<ul> <li>without load current share typical</li> </ul>	1.5 W
type of calculation of power loss depending on pole	quadratic
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 protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	7,3g / 5 ms, 4,7g / 10 ms
shock resistance with sine pulse	
• at AC	11,4g / 5 ms, 7,3g / 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)	
Weight	0.256 kg
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 %

Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	39.6 kg
Global Warming Potential [CO2 eq] during manufacturing	1.18 kg
Global Warming Potential [CO2 eq] during operation	38.5 kg
Global Warming Potential [CO2 eq] after end of life	-0.155 kg
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	
at AC-1 at 400 V at ambient temperature 40 °C rated value	22 A
<ul> <li>at AC-1</li> <li>— up to 690 V at ambient temperature 40 °C rated</li> </ul>	22 A
value — up to 690 V at ambient temperature 60 °C rated	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
at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	9.9 A
• at AC-6a	7.2 A
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> <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
— up to 690 V for current peak value n=20 rated value	6.7 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	4.8 A
— up to 400 V for current peak value n=30 rated value	4.8 A
— up to 500 V for current peak value n=30 rated value	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	4 mm <sup>2</sup>
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	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 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	
— at 24 V rated value	20 A
— at 60 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 2 surrant action in carias at DC 4	
with 3 current paths in series at DC-1     — at 24 V rated value	20 A
— at 60 V rated value	20 A 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	20 A
— at 24 V rated value	20 A
— at 60 V rated value — at 110 V rated value	0.5 A
	0.15 A
with 2 current paths in series at DC-3 at DC-5     at 24 // reted value	20 A
— at 24 V rated value	5 A
— at 60 V rated value	
— at 110 V rated value	0.35 A
with 3 current paths in series at DC-3 at DC-5	20 A
— at 24 V rated value	20 A
- at 60 V rated value	20 A 20 A
— at 110 V rated value	
— at 220 V rated value	1.5 A
— at 440 V rated value	0.2 A
— at 600 V rated value	0.2 A
• at AC-2 at 400 V rated value	5.5 kW
• at AC-3	0.0 KVV
<ul> <li>at AC-3</li> <li>— at 230 V rated value</li> </ul>	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	5.5 KVV
- at 230 V rated value	3 kW
— at 400 V rated value	5.5 kW
— at 500 V rated value	5.5 kW
— at 600 V rated value	5.5 kW
operating power for approx. 200000 operating cycles at AC-	0.0 KW
4	
• at 400 V rated value	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
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	4.1 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	5.7 kVA
short-time withstand current in cold operating state up to 40 °C	
Imited to 1 s switching at zero current maximum	200 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 5 s switching at zero current maximum	123 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 10 s switching at zero current maximum	96 A; Use minimum cross-section acc. to AC-1 rated value
Imited to 30 s switching at zero current maximum	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	40,000,4%
• at AC	10 000 1/h
operating frequency	1,000,1/b
at AC-1 maximum	1 000 1/h
• at AC-2 maximum	750 1/h 750 1/h
• at AC-3 maximum	750 1/h

a at AC 30 maximum	750.1/b
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	AC
control supply voltage at AC	
• at 50 Hz rated value	220 V
at 60 Hz rated value	220 V
operating range factor control supply voltage rated value of magnet coil at AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.85 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	37 VA
• at 60 Hz	33 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.8
• at 60 Hz	0.75
apparent holding power of magnet coil at AC	
• at 50 Hz	5.7 VA
• at 60 Hz	4.4 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.25
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous	1
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
<ul><li>at 500 V rated value</li><li>at 690 V rated value</li></ul>	
at 500 V rated value     at 690 V rated value  operational current at DC-12	2 A 1 A
at 500 V rated value     at 690 V rated value  operational current at DC-12      at 24 V rated value	2 A 1 A 10 A
at 500 V rated value     at 690 V rated value  operational current at DC-12      at 24 V rated value     at 48 V rated value	2 A 1 A 10 A 6 A
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> <b>operational current at DC-12</b> <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	2 A 1 A 10 A 6 A 6 A
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> <b>operational current at DC-12</b> <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>	2 A 1 A 10 A 6 A 6 A 3 A
<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> <b>operational current at DC-12</b> <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> </ul>	2 A 1 A 10 A 6 A 6 A 3 A 2 A
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<ul> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> operational current at DC-12 <ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> </ul>	2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 10 A
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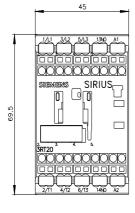
	at 110/120 V rated value	0.5 hr
••• * a phase AC moon•••• a 1222230 Y rated value3 hp••• at 460480 Y rated value3 hp••• at 460480 Y rated value7 a p••• at 46049 Y rated value7 a p••• at 46049 Y rated value7 a f••• at 46049 Y rated value10 m••• at 46049 Y rated	— at 110/120 V rated value	0.5 hp
if 200208 V rated value3 hg if 25800 V rated value10 hg at 25800 V rated value7.5 hg at 25800 V rated value7.5 hg at 25800 V rated value10 hgOutcat rated of availing voorated according to UL800 V 600Stort carued protection95.50 A (800 V, 100A), abt: 20A (800 V, 100A), bS88: 20A (415V, 80A) with type of coordination in required95.50 A (800 V, 100A), abt: 20A (800 V, 100A), bS88: 20A (415V, 80A) with type of coordination required95.50 A (800 V, 100A), abt: 20A (800 V, 100A), bS88: 20A (415V, 80A) with type of coordination required95.50 A (800 V, 100A), abt: 20A (800 V, 100A), bS88: 20A (415V, 80A) with type of coordination required95.50 A (800 V, 100A), abt: 20A (800 V, 100A), bS88: 20A (415V, 80A) with side or availary solution required according to DIN EN 071595.50 A (800 V, 100A), abt: 20A (800 V, 100A), BS88: 20A (415V, 80A) with side or availary solution required according to DIN EN 071595.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side or availary solution required according to DIN EN 071595.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side or availary solution required according to DIN EN 071595.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side or availary solution required according to DIN EN 071596.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side or availary solution required according to DIN EN 071596.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side or availary solution required according to DIN EN 071596.50 A (800 V, 100A), BS88: 20A (415V, 80A)- with side o		2 np
	•	0 hz
contraction         A800 / G600           Short-chronil protocolom         A800 / G600           Gesign of the two ink         Gesign of the two ink           - with type of coordination in required         GD: SOA (680V, 100kA), abs. 20A (640V, 100kA),		
Short-only protection         design of the fuse link           • or shor-circul protection of the main olicul.         gc: 50A (690V, 100KA), abit: 20A (690V, 100KA), BS88: 36A (415V, 60KA)           • with type of assignment? required         gc: 50A (690V, 100KA), abit: 20A (690V, 100KA), BS88: 20A (415V, 60KA)           • or shor-circul protection of the auxiliary awitch required         gc: 10A (500V, 100KA), abit: 16A (690V, 100KA), BS88: 20A (415V, 60KA)           mounting position         +1400' rotation possible on vertical mounting surface; can be litted forward and background in the surface in the auxiliary awitch required by +12.25 for mathemounting surface; can be litted forward and background in the surface in		
design of the fue link <ul> <li>for short-ficult protection of the main circuit</li> <li>with type of acoutination 1 required</li> <li>gG: SOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), abl: 20A (690V.100kA), BS88: 35A (415V.80kA)</li> <li>gG: ZOA (680V.100kA), abl: 20A (690V.100kA), abl: 20A (690V.10</li></ul>		A600 / Q600
	0	
- with spe of assignment 2 required • for short-sizuit protection of the auxiliary switch required insufficed inputs of the auxiliary switch required insufficied inputs of the auxiliary switch required inputs of the	-	C: E04 (600)/ 100(4) aM: 204 (600)/ 100(4) DS80: 254 (415)/ 80(4)
• of stort-circuit protection of the auxiliary switch required         96: 10 A (500 V, 1 kA)           Installation/mounting/dimensions		
Installation/ mounting/ dimensions		
meanting position         +180° rotation possible on vertical mounting surface:           fastening method         screw and snap-on mounting on 35 mm DIN rail according to DIN EN 60715           height         70 mm           depth         73 mm           required spacing         -           - lowards         10 mm           - lowards         10 mm           - downwards         10 mm		gg. 10 A (500 V, 1 KA)
Beakward by 4: 22.5° on vertical mounting surface           fastening method         secward anap-on mounting onto 35 mm DIN rail according to DIN EN 60715           height         70 mm           vidth         45 mm           depth         70 mm           required spacing         70 mm           - forwards         10 mm           - downwards         10 mm		+/ 190° rotation possible on vortical mounting surface; can be tilted forward and
issing methodscree and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715Neight70 mmwidth46 mmdepth73 mmrequired spacing73 mm- forwards10 mm- forwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- for agrounder parts10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- forwards10 mm- downwards10 mm- for anic current foruitspring-loaded terminalsfor anic lay and control circuitspring-loaded terminalsfor main current foruitspring-loaded	mounting position	backward by +/- 22.5° on vertical mounting surface
with         45 mm           depth         73 mm           required spacing         73 mm           • with side-by-side mounting         70 mm           - forwards         10 mm           - upwards         10 mm           - downwards         00 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm <td>fastening method</td> <td></td>	fastening method	
depth         78 mm           required spacing         F           • with side b-side mounting         10 mm           - forwards         10 mm           - uppards         10 mm           - downwards         0 mm           - downwards         0 mm           - downwards         10 mm           - at the side         0 mm           - uppards         10 mm           - upwards         10 mm           - downwards         50	height	70 mm
required spacing         with side-by-side mounting           - forwards         10 mm           - upwards         10 mm           - upwards         0 mm           - downwards         0 mm           - downwards         0 mm           - downwards         0 mm           - downwards         0 mm           - forwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - of or auxillary and control ciruit         spring-loaded terminals           of or auxillary cont control ciruit         spring-loaded terminals           of anal co	width	45 mm
• with side-by-side mountingI- forwards10 mm- downwards10 mm- downwards00 mm- downwards00 mm- at the side0 mm- for younded parts10 mm- forwards10 mm- upwards0 mm- upwards0 mm- downwards10 mm- downwards9 mm- for axiliary ontacts9 mm- for axiliary ontacts2 (0 5 4 mm <sup>2</sup> )	depth	73 mm
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- forwards         10 mm           - upwards         10 mm           - at the side         6 mm           - downwards         10 mm           - forwards         10 mm           - forwards         10 mm           - forwards         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         0 mm           - at the side         6 rmm           - otoid         Spring-type terminals           i for as tranded         2x (0.5 .	— at the side	0 mm
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at the side       6 mm         Connections/ Terminals         type of electrical connection       spring-loaded terminals         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       Spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coll       Spring-type terminals         type of connectable conductor cross-sections       Spring-type terminals         • for main contacts       -         - solid       2x (0.5 4 mm <sup>3</sup> )         - solid or stranded       2x (0.5 4 mm <sup>3</sup> )         - finely stranded with core end processing       2x (0.5 25 mm <sup>3</sup> )         • for AWG cables for main contacts       2x (20 12)         connectable conductor cross-section for main contacts       -         • solid       0.5 4 mm <sup>2</sup> • solid or 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> • finely stranded with core end pro	— upwards	10 mm
Connections/ Terminals         type of electrical connection         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       • for main contacts         • for main contacts       2x (0.5 4 mm²)         - solid       2x (0.5 4 mm²)         - solid or stranded       2x (0.5 2.5 mm²)         - finely stranded with core end processing       2x (20 12)         connectable conductor cross-section for main contacts       2x (20 12)         connectable conductor cross-section for main contacts       0.5 2.5 mm²)         • solid       0.5 4 mm²         • solid       0.5 2.5 mm²         • solid       0.5 2.5 mm²         • solid       0.5 4 mm²         • solid       0.5 2.5 mm²         • solid or stranded with core end processing       0.5 2.5 mm²         • solid or stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         •	— downwards	10 mm
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- finely stranded without core end processing2x (0.5 2.5 mm²)• for AWG cables for main contacts2x (20 12)connectable conductor cross-section for main contacts• solid0.5 4 mm²• stranded0.5 4 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded without core end processing0.5 2.5 mm²• solid or stranded0.5 4 mm²• solid or stranded0.5 2.5 mm²• solid or stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• solid or stranded with core end processing0.5 2.5 mm²• finely stranded without core end processing0.5 2.5 mm²	— solid or stranded	2x (0,5 4 mm²)
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• finely stranded with core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         connectable conductor cross-section for auxiliary contacts       0.5 2.5 mm²         • solid or stranded       0.5 4 mm²         • finely stranded with core end processing       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 stranded with core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²	• solid	0.5 4 mm²
• finely stranded without core end processing     0.5 2.5 mm²       connectable conductor cross-section for auxiliary contacts     • solid or stranded       • solid or stranded     0.5 4 mm²       • finely stranded with core end processing     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 stranded without core end processing     0.5 2.5 mm²       • finely stranded without core send processing     0.5 2.5 mm²	stranded	0.5 4 mm²
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• solid or stranded       0.5 4 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       Vertical and the section of the s	<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
• finely stranded with core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       0.5 2.5 mm²	connectable conductor cross-section for auxiliary contacts	
finely stranded without core end processing     0.5 2.5 mm <sup>2</sup> type of connectable conductor cross-sections	solid or stranded	0.5 4 mm²
type of connectable conductor cross-sections	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm <sup>2</sup>
	<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²
for auxiliary contacts	type of connectable conductor cross-sections	
	for auxiliary contacts	

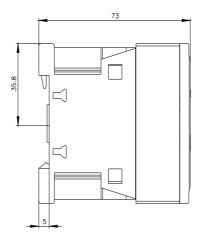
— solid or stra	anded		2x (0	,5 4 mm²)		
	ded with core end proces	ssina		.5 2.5 mm²)		
-	ded without core end proces	-		2x (0.5 2.5 mm <sup>2</sup> )		
-	for auxiliary contacts	Joooling		0 12)		
	ed connectable conduct	tor cross		· · · · · · · · · · · · · · · · · · ·		
<ul> <li>for main contacts</li> </ul>	5		20	12		
<ul> <li>for auxiliary containing</li> </ul>	acts		20 12			
Safety related data						
product function						
•	cording to IEC 60947-4-	1	Yes:	with 3RH29		
	operation according to I		No			
<ul> <li>suitable for safet</li> </ul>			Yes			
suitability for use safety	-		Yes			
service life maximum			20 a			
test wear-related serv			Yes			
proportion of dangero			103			
		020	40.0%			
	I rate according to SN 31		40 %			
	d rate according to SN 3		73 %			
	emand rate according		1 000			
failure rate [FIT] with 31920	low demand rate accor	aing to SN	100 F			
ISO 13849						
device type according	n to ISO 13849-1		3			
	cording to ISO 13849-2	necessary	Yes			
IEC 61508		necessary	103			
	cording to IEC 61508-2		Туре	۸		
Electrical Safety			туре	~		
	the front according to	IEC 60529	IP20			
-				coofe for vortical contact	from the front	
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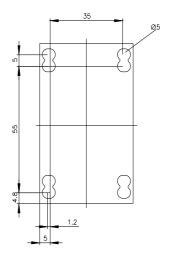
Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/ic10 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2017-2AN21 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2017-2AN21 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2AN21 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2017-2AN21&lang=en Characteristic: Tripping characteristics, I\*1, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2017-2AN21/char

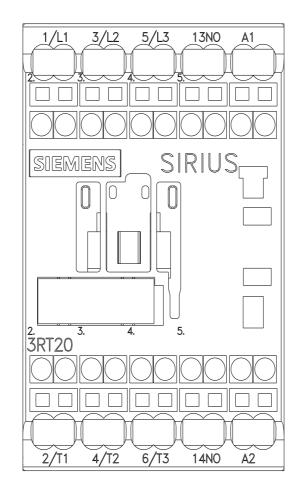
Further characteristics (e.g. electrical endurance, switching frequency)

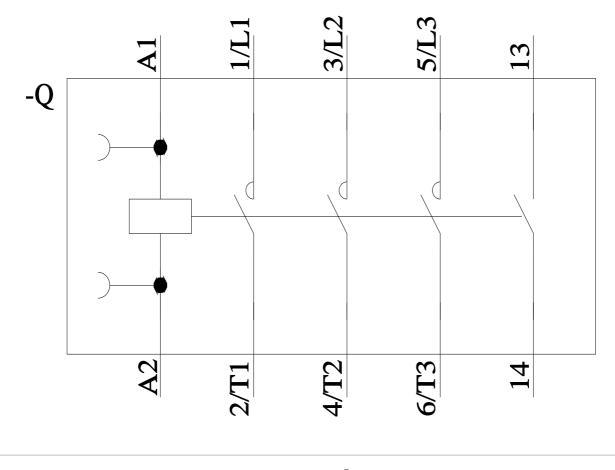
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