3RT2018-1BB41-0UA0

Data sheet



contactor, NEMA version, 5 HP, 460 / 575 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO, screw terminal, size: $\rm S00$

product brand name	SIRIUS
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	
 at AC in hot operating state 	3 W
 at AC in hot operating state per pole 	1 W
without load current share typical	4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	7.3g / 5 ms, 4.7g / 10 ms
shock resistance with sine pulse	
• at DC	11,4g / 5 ms, 7,3g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-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	
• at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	22 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	22 A
value	00.4
 up to 690 V at ambient temperature 60 °C rated value 	20 A
• at AC-3	
— at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
• at AC-3e	0.571
— at 400 V rated value	16 A
— at 500 V rated value	12.4 A
— at 690 V rated value	8.9 A
at AC-4 at 400 V rated value at AC-5 aug to 600 V rated value	11.5 A
at AC-5a up to 690 V rated value	19.4 A
at AC-5b up to 400 V rated value	13.2 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	9.6 A
— up to 400 V for current peak value n=20 rated value	9.6 A
 up to 500 V for current peak value n=20 rated value 	9.6 A
 up to 690 V for current peak value n=20 rated value 	8.9 A
• at AC-6a	
 up to 230 V for current peak value n=30 rated value 	6.6 A
 up to 400 V for current peak value n=30 rated value 	6.4 A
up to 500 V for current peak value n=30 rated value	6.4 A
 up to 690 V for current peak value n=30 rated value 	6.4 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm²
operational current for approx. 200000 operating cycles at	
AC-4	
• at 400 V rated value	5.5 A
• at 690 V rated value	4.4 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 110 v rated value — at 220 V rated value	1.6 A
	0.8 A
— at 440 V rated value	
— at 600 V rated value	0.7 A
with 3 current paths in series at DC-1 at 24 V sets d valve.	20.4
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
 at 1 current path at DC-3 at DC-5 	

— at 24 V rated value	20 A
— at 60 V rated value	0.5 A
— at 110 V rated value	0.15 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 V rated value	5 A
— at 110 V rated value	0.35 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	20 A
— at 60 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	7.5 kW
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	7.5 kW
• at AC-3e	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	7.5 kW
operating power for approx. 200000 operating cycles at AC-	
4	
 at 400 V rated value 	2.5 kW
at 690 V rated value	3.5 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	3.8 kVA
 up to 400 V for current peak value n=20 rated value 	6.6 kVA
 up to 500 V for current peak value n=20 rated value 	8.3 kVA
 up to 690 V for current peak value n=20 rated value 	10.6 kVA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	2.5 kVA
• up to 400 V for current peak value n=30 rated value	4.4 kVA
up to 500 V for current peak value n=30 rated value	5.5 kVA
up to 690 V for current peak value n=30 rated value	7.6 kVA
short-time withstand current in cold operating state up to	
40 °C	
 limited to 1 s switching at zero current maximum 	300 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	169 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 10 s switching at zero current maximum	128 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 30 s switching at zero current maximum	92 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	74 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	10 000 1/h
operating frequency	
• 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-3e maximum	250 1/h
Control circuit/ Control	200 1/11
	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	2414
• rated value	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
→ IIIIIai vaiuc	V.U

a full goole value	11
• 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 • at DC	30 100 ms
opening delay	JU 100 IIIS
• at DC	7 13 ms
arcing time	7 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
at 690 V rated value	1 A
operational current at DC-12	40.4
at 24 V rated value	10 A
at 48 V rated value at 60 V rated value	6 A
at 60 V rated value at 110 V rated value	6 A
 at 110 V rated value at 125 V rated value 	3 A 2 A
at 125 V rated value at 220 V rated value	1 A
at 220 V rated value at 600 V rated value	0.15 A
operational current at DC-13	0.1071
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1A
at 175 V rated value at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	14 A
at 600 V rated value	11 A
yielded mechanical performance [hp]	
• for single-phase AC motor	
— at 110/120 V rated value	1 hp
— at 230 V rated value	2 hp
◆ for 3-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	5 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit with type of coordination 1 required.	aC: 50A (600V 100kA) aM: 25A (600V 100kA) BC00, 50A (445V 00kA)
with type of coordination 1 required with type of assignment 2 required.	gG: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V,80kA)
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	1/ 180° rotation possible on vertical mounting surfaces can be tilted forward and
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
side-by-side mounting	Yes
height	58 mm

required spacing with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards — for live parts — forwards — upwards — upwards — downwards — at the side — downwards — at the side — downwards — at the side — of or main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • solid 0.5	mm mm
required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards — at the side — downwards — 10 — downwards — 10 • for live parts — forwards — upwards — 10 — upwards — downwards — 10 — upwards — at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • solid • solid	mm
forwards 10 upwards 10 downwards 10 at the side 0 m • for grounded parts forwards 10 at the side 6 m upwards 10 at the side 6 m downwards 10 • for live parts forwards 10 torwards 10 upwards 10 downwards 10 upwards 10 downwards 10 downwards 10 at the side 6 m downwards 10 at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit 5 cm • for auxiliary and control circuit 5 cm • at contactor for auxiliary contacts • of magnet coil 5 cm type of connectable conductor cross-sections for main contacts • solid 5 cx • solid 7 cx • finely stranded with core end processing 2 cx connectable conductor cross-section for main contacts • solid 0.5	mm
- upwards 10 - downwards 10 - at the side 0 m • for grounded parts - forwards 10 - at the side 6 m - upwards 10 - at the side 6 m - downwards 10 • for live parts - forwards 10 - at the side 6 m - downwards 10 - at the side 6 m - downwards 10 - at the side 6 m - downwards 5 m - downwards 10 - at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit 5 cm • for auxiliary and control circuit 5 cm • at contactor for auxiliary contacts 5 cm • of magnet coil 5 cm type of connectable conductor cross-sections for main contacts • solid 5 cx • solid 7 cx connectable conductor cross-section for main contacts • solid 5 cx connectable conductor cross-section for main contacts • solid 0.5	mm
- downwards - at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - downwards - at the side - downwards - at the side - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid	mm
- downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - forwards - upwards - downwards - at the side - downwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid	mm
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - torwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid	mm
forwards 10 upwards 6 6 m at the side 6 m downwards 10 • for live parts forwards 10 upwards 10 upwards 10 upwards 10 downwards 10 at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit 5 cm • for auxiliary and control circuit 5 cm • at contactor for auxiliary contacts 5 cm • of magnet coil 5 cm type of connectable conductor cross-sections for main contacts • solid 2x • solid or stranded 2x • finely stranded with core end processing 2x connectable conductor cross-section for main contacts • solid 0.5	mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
forwards 10 upwards 6 6 m at the side 6 m downwards 10 • for live parts forwards 10 upwards 10 upwards 10 upwards 10 downwards 10 at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit 5 cm • for auxiliary and control circuit 5 cm • at contactor for auxiliary contacts 5 cm • of magnet coil 5 cm type of connectable conductor cross-sections for main contacts • solid 2x • solid or stranded 2x • finely stranded with core end processing 2x connectable conductor cross-section for main contacts • solid 0.5	mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
- upwards - at the side - downwards 10 • for live parts - forwards - upwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid solid 0.5	mm mm mm mm mm mm mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
- at the side	mm mm mm mm mm mm mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
- downwards • for live parts - forwards - upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • solid 0.5	mm mm mm mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
for live parts — forwards — upwards — downwards — at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid	mm mm mm mm rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
forwards 10 upwards 10 downwards 10 at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit scripe of auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Scripe of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing 2x connectable conductor cross-section for main contacts • solid 0.5	rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
- upwards 10 - downwards 10 - at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit scripe of auxiliary and control circuit scripe of magnet coil scripe of connectable conductor cross-sections for main contacts • solid 2x • solid or stranded 2x • finely stranded with core end processing 2x connectable conductor cross-section for main contacts • solid 0.5	rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
- downwards	rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
— at the side 6 m Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid connectable conductor cross-section for main contacts • solid o 5.5	rew-type terminals rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid solid connectable conductor cross-section for main contacts • solid connectable conductor cross-section for main contacts • solid output solid connectable conductor cross-section for main contacts • solid	rew-type terminals rew-type terminals rew-type terminals rew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid connectable conductor cross-section for main contacts • solid 0.5	rew-type terminals crew-type terminals crew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid connectable conductor cross-section for main contacts solid osciolary	rew-type terminals crew-type terminals crew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid	rew-type terminals crew-type terminals crew-type terminals crew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid solid oslid osli	crew-type terminals crew-type terminals (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
of magnet coil type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid solid one contacts solid one contacts solid one contacts solid one contacts	(0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
type of connectable conductor cross-sections for main contacts • solid • solid 2x • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid 0.5	(0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² (0.5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
 solid solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid 0.5 	(0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
 solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts solid 0.5 	(0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
• finely stranded with core end processing 2x connectable conductor cross-section for main contacts • solid 0.5	
connectable conductor cross-section for main contacts • solid 0.5	
• solid 0.5	(0.5 1.5 11111), 2x (0.75 2.5 11111)
	- A mana?
• stranded U.5	5 4 mm²
	5 4 mm²
, , , ,	5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	- A?
	5 4 mm²
, , , ,	5 2.5 mm²
type of connectable conductor cross-sections	
• for auxiliary contacts	(0.5, 4.5, 2), 0, (0.75, 0.5, 2), 0, 4, 2
	(0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
	(0.5 1.5 mm²), 2x (0.75 2.5 mm²)
·	(20 16), 2x (18 14), 2x 12
AWG number as coded connectable conductor cross section	
	12
	12
Safety related data	
product function	
·	es; with 3RH29
Ü	000 000
proportion of dangerous failures	
with low demand rate according to SN 31920 40	0/0
 with high demand rate according to SN 31920 with high demand rate according to SN 31920 73 	
5 5	0 FIT
T1 value for proof test interval or service life according to SN 51920 20	
61508	
protection class IP on the front according to IEC 60529 IP2	20
	ger-safe, for vertical contact from the front
suitability for use	
safety-related switching on Yes	es e
• safety-related switching OFF Yes	es e
Certificates/ approvals	
General Product Approval	





Confirmation







Functional
Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report Special Test Certificate

Test Certificates

Marine / Shipping

Miscellaneous











Marine / Shipping

other

Railway

Dangerous Good





Confirmation



Vibration and Shock

Transport Information

Environment

Environmental Confirmations

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=3RT2018-1BB41-0UA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2018-1BB41-0UA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1BB41-0UA0

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

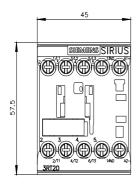
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2018-1BB41-0UA0&lang=en

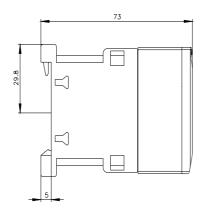
Characteristic: Tripping characteristics, I²t, Let-through current

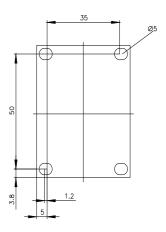
https://support.industry.siemens.com/cs/ww/en/ps/3RT2018-1BB41-0UA0/char

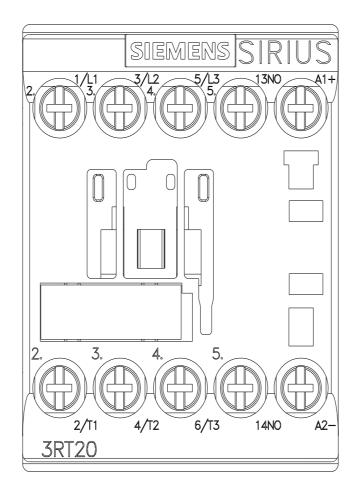
Further characteristics (e.g. electrical endurance, switching frequency)

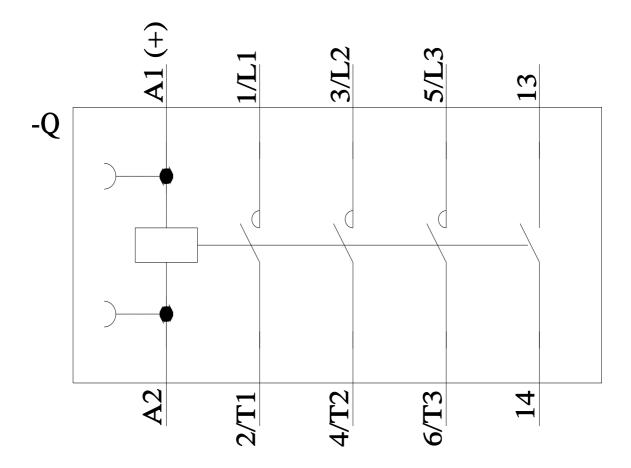
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2018-1BB41-0UA0&objecttype=14&gridview=view1











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