3RT2026-2BB40-1AA0

# **Data sheet**



power contactor, AC-3e/AC-3, 25 A, 11 kW / 400 V, 3-pole, 24 V DC, auxiliary contacts: 1 NO + 1 NC, spring-loaded terminal, size: S0, upright mounting position

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
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>	5.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	1.9 W
<ul> <li>without load current share typical</li> </ul>	5.9 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	
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	10g / 5 ms, 7,5g / 10 ms
shock resistance with sine pulse	
• at DC	15g / 5 ms, 10g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	3

number of NO contacts for main contacts	3
operating voltage	
• at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>	40 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	40 A
value	25 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
• at AC-3e	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
at AC-4 at 400 V rated value	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
• at AC-5b up to 400 V rated value	20.7 A
• at AC-6a	20.7 A
	20.2.4
— up to 230 V for current peak value n=20 rated value	20.2 A
— up to 400 V for current peak value n=20 rated value	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
— up to 690 V for current peak value n=20 rated value	12.9 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	13.5 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	13.5 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm²
operational current for approx. 200000 operating cycles at	
AC-4	
• at 400 V rated value	9 A
• at 690 V rated value	9 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 60 V rated value	20 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
with 2 current paths in series at DC-1	0.2071
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
with 3 current paths in series at DC-1     ot 24 V reted value.	25 A
— at 24 V rated value	35 A
— at 60 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	20 A		
— at 60 V rated value	5 A		
— at 110 V rated value	2.5 A		
— at 220 V rated value	1 A		
— at 440 V rated value	0.09 A		
— at 600 V rated value	0.06 A		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	35 A		
— at 60 V rated value	35 A		
— at 110 V rated value	15 A		
— at 220 V rated value	3 A		
— at 440 V rated value	0.27 A		
— at 600 V rated value	0.16 A		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	35 A		
— at 60 V rated value	35 A		
— at 110 V rated value	35 A		
— at 220 V rated value	10 A		
— at 440 V rated value	0.6 A		
— at 600 V rated value	0.6 A		
operating power			
at AC-2 at 400 V rated value	11 kW		
• at AC-3			
— at 230 V rated value	5.5 kW		
— at 400 V rated value	11 kW		
— at 500 V rated value	11 kW		
— at 690 V rated value	11 kW		
• at AC-3e			
— at 230 V rated value	5.5 kW		
— at 400 V rated value	11 kW		
— at 500 V rated value	11 kW		
— at 690 V rated value	11 kW		
operating power for approx. 200000 operating cycles at AC-	TTWY		
4			
<ul> <li>at 400 V rated value</li> </ul>	4.4 kW		
• at 690 V rated value	7.7 kW		
operating apparent power at AC-6a			
• up to 230 V for current peak value n=20 rated value	8 kVA		
• up to 400 V for current peak value n=20 rated value	13.9 kVA		
• up to 500 V for current peak value n=20 rated value	17.4 kVA		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	15.4 kVA		
operating apparent power at AC-6a			
up to 230 V for current peak value n=30 rated value	5.3 kVA		
• up to 400 V for current peak value n=30 rated value	9.3 kVA		
• up to 500 V for current peak value n=30 rated value	11.6 kVA		
• up to 690 V for current peak value n=30 rated value	15.5 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>	375 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	300 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	210 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	144 A; Use minimum cross-section acc. to AC-1 rated value		
• limited to 60 s switching at zero current maximum	118 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at DC	1 500 1/h		
operating frequency			
• at AC-1 maximum	1 000 1/h		
• at AC-2 maximum	750 1/h		
• at AC-3 maximum	750 1/h		
• at AC-3e maximum	750 1/h		
• at AC-4 maximum	250 1/h		

Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
• rated value	24 V
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	5.9 W
holding power of magnet coil at DC	5.9 W
closing delay	
• at DC	50 170 ms
opening delay	
• at DC	15 18 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO 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
at 110 V rated value	3 A
• at 125 V rated value	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
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	0.1 A
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	21 A
at 450 V rated value     at 600 V rated value	22 A
yielded mechanical performance [hp]	LEN
• for single-phase AC motor	
— at 110/120 V rated value	2 hp
— at 230 V rated value	3 hp
• for 3-phase AC motor	V . IP
— at 200/208 V rated value	5 hp
— at 220/230 V rated value	7.5 hp
— at 460/480 V rated value	15 hp
— at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
10. G. G. G. G. Protostori of the Hulli offour	

with type of assignment 2 required   Gis 136 (1890 V, 1904.), abit 204 (1900 V, 1904.) BSSS: 354 (419V, 5004.)	— with type of coordination 1 required	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415 V, 80 kA)		
Institution/ mounting position  mounting position  standing, on horizontal mounting surface  screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715  required spacing  vivit side-by-side mounting  • vivit side-by-side-by-side-by-side-by-side-by-side-by-side-by-side-by-side-by-side-by-side-by-	<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)		
mounting poettion factering method screw and snap-on mounting outface screw and snap-o	for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)		
Fastering method  # aide-by-side mounting  # aide-by-side mounting  # height  # 102 mm  # with the side	Installation/ mounting/ dimensions			
- satisb-y-side mounting	mounting position	standing, on horizontal mounting surface		
March   Marc	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
width depth	side-by-side mounting	Yes		
required spacing  • with side-by-side mounting  — forwards — upwards — downwards — of the side • for grounded parts — forwards — for live parts — forwards — forwards — forwards — upwards — forwards — upwards — downwards — upwards — downwards — of mm — forwards — forward	height	102 mm		
required spacing  with side by-side mounting — forwards — upwards — 10 mm — downwards — at the side — forwards — 10 mm — the side — forwards — upwards — 10 mm — upwards — the side — downwards — the side — downwards — townwards — forwards — townwards — for live parts — forwards — upwards — forwards — the side — downwards — townwards — townwards — townwards — townwards — to mm — at the side — downwards — to mm — at the side — forwards — townwards — to mm — at the side — formalist symmetry — at the side — townwards — to mm — at the side — townwards — to mm	width	45 mm		
with side-by-side mounting	depth	107 mm		
forwards upwards downwards at the side for grounded parts forwards downwards downwards downwards upwards downwards downwards downwards downwards for live parts forwards downwards forwards forwards downwards for main contaction  solid or stranded finely stranded with core end processing finely stranded without core end processing	required spacing			
- upwards	<ul><li>with side-by-side mounting</li></ul>			
- downwards - at the side	— forwards			
- at the side • for grounded parts - forwards - upwards - upwards - at the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - downwards - for main current circuit - for main current circuit - for main current circuit - for auxiliary and control circuit - for main current circuit - for auxiliary contacts - finely stranded with core end processing - finely stranded without core end processing - finely strande	·			
• for grounded parts  - forwards  - upwards  - at the side  - downwards  10 mm  • for live parts  - forwards  10 mm  • for live parts  - forwards  10 mm  - upwards  10 mm  - upwards  10 mm  - downwards  - upwards  10 mm  - downwards  - at the side  • formal connection to the side  Connections' Terminals  type of electrical connection  • for main current circuit  • at contactor for auxiliary contacts  • of magnet coil  type of connectable conductor cross-sections for main contacts  • solid  • solid or stranded  • finely stranded without core end processing  • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross-sections  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for auxiliary contacts  • for				
	— at the side	0 mm		
- upwards - at the side - downwards 10 mm  • for live parts - forwards 10 mm  - upwards 10 mm  - downwards 10 mm  - for main current circuit • for auxiliary and control circuit • for auxiliary contacts • olid or stranded • for ey stranded with core end processing • finely stranded with core end processing 2x (1 10 mm²) • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWC cables for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for waviliary contacts  • for waviliary contacts  • for waviliary contacts  • for auxiliary conta	<ul> <li>for grounded parts</li> </ul>			
at the side — downwards 10 mm				
- downwards • for live parts - forwards - upwards - upwards - downwards - downwards - at the side - formal current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of majer coil  type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  • solid or stranded • finely stranded without core end processing • for auxiliary contacts  • solid or stranded • finely stranded without core end processing • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for AWG cables for auxiliary contacts  • for AWG cables for auxiliary contacts  • for AWG cables for auxiliary contacts  • for auxiliary con	·			
for live parts         forwards         forwards         wards         wards         wards         downwards         downwards         at the side         at the side         at the side         at the side  Connections/ Terminals  type of electrical connection         for main current circuit         for main current circuit         at contactor for auxiliary contacts         of magnet coil         of magnet coil         of magnet coil         of magnet coil         solid or stranded         solid or stranded         solid or stranded         finely stranded with core end processing         solid         stranded         solid or stranded         solid or stranded         solid or stranded with core end processing         solid or stranded         solid or stranded         solid or stranded         solid or stranded with core end processing         solid or stranded without core end processing         solid or stranded without core end processing         solid or stranded without core end processing         solid or stranded with core end processing         solid or stranded with core end processing         solid or stranded with core end processing         solid or stranded				
		10 mm		
- upwards - downwards - dithe side - dithe side - dithe side  Connections/Terminals  type of electrical connection  • for main current circuit • at contactor 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 • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts  • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts •	·			
- d'ownwards — at the side 6 mm  connections/Tominals  type of electrical connection  • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts • of magnet coil Spring-type terminals • of magnet coil Spring-type terminals • solid 2x (1 10 mm²) • solid or stranded 2x (1 10 mm²) • finely stranded with core end processing 2x (1 6 mm²)  connectable conductor cross-section for main contacts • solid 1 10 mm² • finely stranded with core end processing 2x (1 6 mm²)  connectable conductor cross-section for main contacts • solid 1 10 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 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  type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded 2x (0.5 2.5 mm²)  type of connectable conductor cross-sections • for auxiliary contacts  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded without core end processing 0.5 2.5 mm²  type of connectable conductor cross-sections • for auxiliary contacts  - solid or stranded 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - finely stranded with core end processing 2x (0.5 2.5 mm²)  - for auxiliary contacts  - solid or stranded 3x (0.5 2.5 mm²)  - for auxiliary contacts 3x (0.5 2.5 mm²)  - for auxiliary contacts 4x (0.5 2.5 mm²)  - for auxiliary contacts 5x (0.5 2.5 mm²)  - for auxiliary contacts 2x (0.5 2.5 mm²)	— forwards			
Connections/ Terminals  type of electrical connection  • for main current circuit spring-loaded terminals • for auxillary and control circuit spring-loaded terminals • at contactor for auxillary contacts Spring-type terminals • of magnet coil Spring-type terminals • solid Spring-type terminals • solid 2x (1 10 mm²) • solid or stranded • finely stranded with core end processing 2x (1 6 mm²) • finely stranded without core end processing 2x (1 6 mm²) • stranded • finely stranded with core end processing 1 10 mm² • finely stranded with core end processing 1 10 mm² • finely stranded with core end processing 1 6 mm² • finely stranded with core end processing 1 6 mm² • finely stranded without 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 • 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 with core end processing 0.5 2.5 mm² • finely stranded with core end processing 2x (0.5 2.5 mm² • finely stranded with core end processing 2x (0.5 2.5 mm² • for auxillary contacts 2x (20 14)  AWG number as coded connectable conductor cross section • for main contacts 18 8 • for auxillary contacts 20 14  Safety rolated data  product function • mirror contact according to IEC 60947-4-1	— upwards	10 mm		
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 without core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • for auxiliary contacts  - solid or stranded  • finely stranded with core end processing  • for AWG cables for auxiliary contacts  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for main contacts				
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 • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts  • solid or stranded • finely stranded with core end processing • for auxiliary contacts  • for		6 mm		
• for main current circuit • for auxillary and control circuit • at contactor for auxillary contacts • of magnet coil  type of connectable conductor cross-sections for main contacts • solid • solid or stranded • finely stranded with core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded without core end processing - finely stranded without core end processing - finely stranded without core end processing - for auxiliary contacts  - solid or stranded - finely stranded without core end processing - finely stranded without core end processing - for auxiliary contacts  - solid or stranded - finely stranded without core end processing - finely stranded without core end processing - for auxiliary contacts  - solid or stranded - finely stranded without core end processing - finely stranded without core end processing - for auxiliary contacts - solid or stranded - finely stranded without core end processing - finely stranded without core en				
• 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 • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing - finely stranded with core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing - finely stranded with core end process	type of electrical connection			
• 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 • stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • solid • stranded • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • for auxiliary contacts  - solid or stranded - finely stranded with core end processing • for auxiliary contacts  - solid or stranded with core end processing • for auxiliary contacts  - finely stranded with core end processing • for auxiliary contacts  - finely stranded with core end processing • for auxiliary contacts  - finely stranded with core end processing • for auxiliary contacts  - finely stranded with core end processing • for auxiliary contacts  - finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • finely stranded with core end processing • for auxiliary contacts  - solid or stranded • fin	<ul> <li>for main current circuit</li> </ul>	spring-loaded terminals		
of magnet coil  type of connectable conductor cross-sections for main contacts  osolid or stranded clinely stranded with core end processing connectable conductor cross-section for main contacts  osolid or stranded without core end processing connectable conductor cross-section for main contacts  osolid clinely stranded with core end processing clinely stranded with core end processing clinely stranded with core end processing clinely stranded without core end processing connectable conductor cross-section for auxiliary contacts  osolid or stranded clinely stranded without core end processing connectable conductor cross-section for auxiliary contacts  osolid or stranded clinely stranded with core end processing connectable conductor cross-section for auxiliary contacts  ofinely stranded without core end processing clinely stranded with core end processing clinely stranded without core end processing clinely stranded with core end processing clinely stranded without core en	•			
type of connectable conductor cross-sections for main contacts  • solid  • solid 2x (1 10 mm²)  • finely stranded  • finely stranded with core end processing  • solid  • solid 2x (1 10 mm²)  • finely stranded without core end processing  • zx (1 6 mm²)  connectable conductor cross-section for main contacts  • solid  • stranded  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary contacts  • solid or stranded  — solid or stranded  — finely stranded with core end processing  • for Auxiliary contacts  — solid or stranded without core end processing  • for Auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for numbales are coded connectable conductor cross  • for num	•			
solid or stranded     solid or stranded     solid or stranded with core end processing     solid or stranded with core end processing     solid or stranded without core end processing     solid or stranded without core end processing     connectable conductor cross-section for main contacts     solid     stranded     stranded     stranded     stranded with core end processing     solid or stranded without core end processing     solid or stranded without core end processing     connectable conductor cross-section for auxillary contacts     solid or stranded     solid or stranded with core end processing     solid or stranded without core end processing     solid or stranded     solid or strande		Spring-type terminals		
<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>2x (1 6 mm²)</li> <li>finely stranded without core end processing</li> <li>2x (1 6 mm²)</li> </ul> connectable conductor cross-section for main contacts <ul> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul>	• •			
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>2x (1 6 mm²)</li> <li>connectable conductor cross-section for main contacts</li> <li>solid</li> <li>stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> &lt;</ul>				
• finely stranded without core end processing     connectable conductor cross-section for main contacts     • solid      • stranded     • stranded     • stranded with core end processing     • finely stranded without core end processing     • finely stranded without core end processing     connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • finely stranded without core end processing     • finely stranded without core end processing     • for auxiliary contacts     — solid or stranded     — finely stranded with core end processing     • for auxiliary contacts     — finely stranded with core end processing     2x (0.5 2.5 mm²)     — finely stranded without core end processing     2x (0.5 2.5 mm²)     • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for main contacts     • for auxiliary contacts     18 8     • for auxiliary contacts  2    20 14  Safety related data  product function     • mirror contact according to IEC 60947-4-1  Yes				
connectable conductor cross-section for main contacts  • solid  • stranded  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  connectable conductor cross-section for auxiliary contacts  • solid or stranded  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for auxiliary contacts  — solid or stranded  — finely stranded with core end processing  • for auxiliary contacts  — finely stranded without core end processing  2x (0.5 2.5 mm²)  • finely stranded without core end processing  • for AWG cables for auxiliary contacts  2x (20 14)  AWG number as coded connectable conductor cross section  • for main contacts  • for auxiliary co				
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<ul> <li>stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>mem²</li> <li>finely stranded without core end processing</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0.5 2.5 mm²)</li> <li>finely stranded with core end processing</li> <li>2x (0.5 2.5 mm²)</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>18 8</li> <li>for auxiliary contacts</li> <li>20 14</li> </ul> Safety related data product function <ul> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes</li> </ul>				
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>finely stranded with core end processing</li> <li>2x (0.5 2.5 mm²)</li> <li>finely stranded without core end processing</li> <li>for have a contact or auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG cables for auxiliary contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for main contacts</li> <li>for auxiliary contacts&lt;</li></ul>				
• finely stranded without core end processing     connectable conductor cross-section for auxiliary contacts     • solid or stranded     • finely stranded with core end processing     • finely stranded without core end processing     • for eauxiliary contacts     — solid or stranded     — finely stranded with core end processing     • for auxiliary contacts     — solid or stranded     — finely stranded with core end processing     — finely stranded with core end processing     — finely stranded without core end processing     — finely stranded without core end processing     — for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     • for main contacts     • for auxiliary contacts     18 8     • for auxiliary contacts  Product function     • mirror contact according to IEC 60947-4-1  Yes				
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<ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>0.5 2.5 mm²</li> </ul> type of connectable conductor cross-sections <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>most contact stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for AWG number as coded connectable conductor cross section</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> </ul> Safety related data product function <ul> <li>mirror contact according to IEC 60947-4-1</li> </ul> Yes		1 o mm²		
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>type of connectable conductor cross-sections</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes</li> </ul>	-	0.5 2.5 mm²		
• finely stranded without core end processing  type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  18 8 • for auxiliary contacts 20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1  Yes				
type of connectable conductor cross-sections  • for auxiliary contacts  — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  18 8 • for auxiliary contacts  20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1  Yes				
<ul> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> </ul> </li> <li>Safety related data         <ul> <li>product function</li> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes</li> </ul> </li> </ul>		0.0 2.0 IIIII		
- solid or stranded - finely stranded with core end processing - finely stranded without core end processing - finely stranded without core end processing - finely stranded without core end processing 2x (0.5 2.5 mm²) 2x (0.5 2.5 mm²) 2x (20 14)  AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts 20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1  Yes				
<ul> <li>— finely stranded with core end processing</li> <li>— finely stranded without core end processing</li> <li>— for AWG cables for auxiliary contacts</li> <li>AWG number as coded connectable conductor cross section</li> <li>— for main contacts</li> <li>— for auxiliary contacts</li> <li>— for auxiliar</li></ul>	•	2v (0.5 2.5 mm²)		
<ul> <li>— finely stranded without core end processing         <ul> <li>for AWG cables for auxiliary contacts</li> <li>2x (20 14)</li> </ul> </li> <li>AWG number as coded connectable conductor cross section         <ul> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>18 8</li> <li>for auxiliary contacts</li> <li>20 14</li> </ul> </li> <li>Safety related data         <ul> <li>product function</li> <li>mirror contact according to IEC 60947-4-1</li> <li>Yes</li> </ul> </li> </ul>				
for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section     for main contacts     for auxiliary contacts  Safety related data  product function     mirror contact according to IEC 60947-4-1  Yes				
AWG number as coded connectable conductor cross section  • for main contacts • for auxiliary contacts  20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1  Yes	•			
section  • for main contacts • for auxiliary contacts 20 14  Safety related data  product function • mirror contact according to IEC 60947-4-1 Yes	<u> </u>			
● for auxiliary contacts  20 14  Safety related data  product function  ● mirror contact according to IEC 60947-4-1  Yes				
Safety related data  product function  • mirror contact according to IEC 60947-4-1  Yes	• for main contacts	18 8		
Safety related data  product function  • mirror contact according to IEC 60947-4-1  Yes	for auxiliary contacts	20 14		
product function  ● mirror contact according to IEC 60947-4-1  Yes				
• mirror contact according to IEC 60947-4-1 Yes	-			
-	-	Yes		
5 to value maning it defined take decorating to Gra 0 to 20	B10 value with high demand rate according to SN 31920	450 000		

proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
T1 value for proof test interval or service life according to IEC 61508	20 a	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		
suitability for use		
<ul> <li>safety-related switching on</li> </ul>	Yes	
safety-related switching OFF	Yes	
34:6:41		

## Certificates/ approvals

# **General Product Approval**



Confirmation





<u>KC</u>



EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conformity	Test Certificates
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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).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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=3RT2026-2BB40-1AA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2026-2BB40-1AA0

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

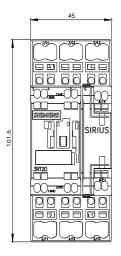
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2BB40-1AA0

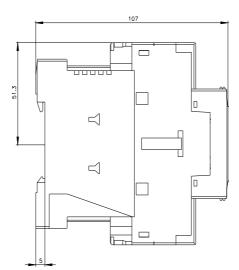
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3RT2026-2BB40-1AA0&lang=en

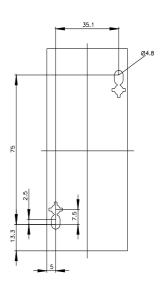
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2BB40-

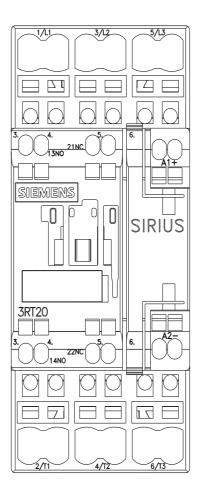
Further characteristics (e.g. electrical endurance, switching frequency)

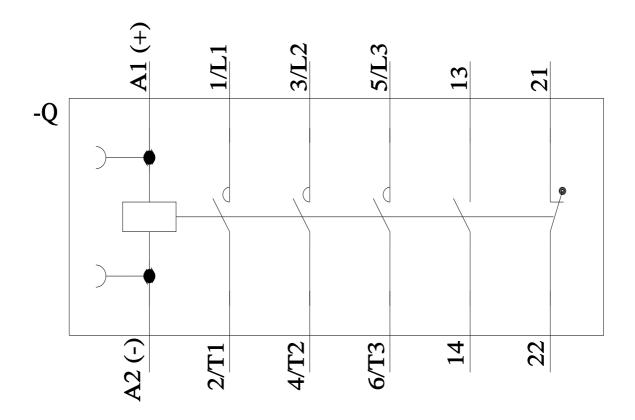
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2BB40-1AA0&objecttype=14&gridview=view1











last modified: 2/10/2023 🖸