## SIEMENS

## Data sheet

## 3RT2027-2CL24-3MA0



power contactor, AC-3e/AC-3, 32 A, 15 kW / 400 V, 3-pole, 230 V AC, 50/60 Hz, with plugged-in varistor, auxiliary contacts: 2 NO + 2 NC, spring-loaded terminal, size: S0, captive auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	0112
size of contactor	S0
	30
product extension	
function module for communication	No
auxiliary switch	No
power loss [W] for rated value of the current	6.0.W
at AC in hot operating state	6.3 W
at AC in hot operating state per pole	2.3 W
without load current share typical	2.7 W
insulation voltage	0001/
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	
<ul> <li>of main circuit rated value</li> </ul>	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 AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	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
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	

number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
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	50 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	50 A
— up to 690 V at ambient temperature 60 °C rated	42 A
value	
• at AC-3	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-3e	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-4 at 400 V rated value	22 A
• at AC-5a up to 690 V rated value	44 A
• at AC-5b up to 400 V rated value	26.5 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	30.8 A
— up to 400 V for current peak value n=20 rated value	30.8 A
— up to 500 V for current peak value n=20 rated value	27 A
— up to 690 V for current peak value n=20 rated value	21 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	20.5 A
— up to 400 V for current peak value n=30 rated value	20.5 A
— up to 500 V for current peak value n=30 rated value	18 A
— up to 690 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated	10 mm <sup>2</sup>
value operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	12 A
• at 690 V rated value	12 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	1A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
	0.20 A
with 2 current paths in series at DC-1     at 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	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	05 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

a still summark notice at DC 2 at DC 5	
• at 1 current path at DC-3 at DC-5	00 A
— at 24 V rated value	20 A
— at 60 V rated value	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	15 kW
• at AC-3	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
• at AC-3e	
— at 230 V rated value	7.5 kW
— at 400 V rated value	15 kW
— at 500 V rated value	15 kW
— at 690 V rated value	18.5 kW
operating power for approx. 200000 operating cycles at AC-	
4	C IAM
at 400 V rated value	6 kW 10.3 kW
• at 690 V rated value     operating apparent power at AC-6a	10.5 KVV
	12.2 10/10
up to 230 V for current peak value n=20 rated value	12.2 kVA
• up to 400 V for current peak value n=20 rated value	21.3 kVA 23.3 kVA
• up to 500 V for current peak value n=20 rated value	
up to 690 V for current peak value n=20 rated value	25 kVA
operating apparent power at AC-6a	0.4 10/4
• up to 230 V for current peak value n=30 rated value	8.1 kVA
• up to 400 V for current peak value n=30 rated value	14.2 kVA
• up to 500 V for current peak value n=30 rated value	15.5 kVA
up to 690 V for current peak value n=30 rated value     short-time withstand current in cold operating state up to	21.5 kVA
40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	499 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	341 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	260 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	199 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	162 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at AC	5 000 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
<ul> <li>at AC-4 maximum</li> </ul>	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	230 V
• at 60 Hz rated value	230 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
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
• at 50 Hz	81 VA
• at 60 Hz	79 VA
inductive power factor with closing power of the coil	0.72
● at 50 Hz ● at 60 Hz	0.72
apparent holding power of magnet coil at AC	0.74
• at 50 Hz	10.5 VA
• at 50 Hz	8.5 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
• at 60 Hz	0.28
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 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	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	6 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	6 A
<ul> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>	6 A 3 A
at 110 V rated value     at 125 V rated value	2 A
at 125 V rated value     at 220 V rated value	1A
at 220 V rated value     at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	6 A
• at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1A
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	27 A
• at 600 V rated value	27 A
yielded mechanical performance [hp]	

	for simple above AQ mater				
	for single-phase AC motor     at 110/120 V rated value	2 hz			
• 6r 3-phase AC matrix         0           • • at 200228 Y rated values         10 hp           • • at 200238 Y rated values         20 hp           • • • at 400480 Y rated values         20 hp           • • • • • • • • • • • • • • • • • • •					
		5 np			
center training of auxiliary contacts according to UL         A600 / C600           Start directili protection         4600 / C600           Gesign of the two link         Gesign of the two link           - with type of acciditation if the main circuit         Gesign of the two link           - with type of acciditation if the auxiliary with requent         9G: 125A (690V, 100KA), abl: 50A (690V, 100KA), BS88: 526A (415V, 80KA)           - with type of acciditation if the auxiliary with requent         9G: 10 A (690V, 110KA), abl: 50A (690V, 100KA), BS88: 50A (415V, 80KA)           Installation if method         screw and snapon mounting surface; can be lifted forward and bescrew and snapon mounting surface; can be lifted forward and bescrew and snapon mounting out 35 mm DIN real according to DIN EN 60715           - eide sysade mounting         Yes           - eider sysade         Yes					
Short-cloud protection           design of the fuse link           - with type of ascimment 2 required           - with the type of ascimment 2 required           - with type of ascimment 2 required           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         0 mm </td <td></td> <td></td>					
design of the fuse link <ul> <li>is short-focul protocol of the main circuit</li> <li>with bysic of coordination 1 required</li> <li>with bysic of coordination 1 required</li> <li>with bysic of coordination 1 required</li> <li>or short-focul protocol on the auxiliary switch required</li> <li>side-tys-side mounting</li> <li>side-tys-side mounting</li> <li>with side-by-side mounting</li> <li>with side-by-side mounting</li> <li>- forwards</li> <li>- formarce</li> <li>- forwards</li> <li>- forwards</li> <li>- formarce</li> <li>- forwards</li> <li>- formarce</li> <li>- formarce</li></ul>		A600 / Q600			
for short-dirail protection of the main cirul: <ul> <li>with type of assignment 2 required</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>GAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>GAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>of an short-sinual protection of the auxility switch required</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>SAA (680V, 100KA), abl. SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)</li> <li>SAA (680V, 100KA), BS88: SAA (14TSV. 80KA)&lt;</li></ul>					
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• of stort-crout protection of the auxiliary switch required Installation' mounting of dimensions         9G: 10 A (600 V, 1 kA)           Installation' mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can be tilted forward and backward by >/ 222° on vertical mounting surface; can backward by >/ 220° backward by >/ 220° backward by >/ 220° backw					
Installation/ mounting/ dimensions         +					
monting position         +:180° rotation posible on vertical mounting surface.           fastening method         screw and snap-on mounting ourlos 35 mm DIN rail according to DIN EN 60715           • idide by side mounting         Yes           mounting ourlos 35 mm DIN rail according to DIN EN 60715         Yes           width         45 mm           depth         102 mm           required spacing         -           • with side-by-side mounting         10 mm           - upwards         10 mm           - upwards         0 mm           - downwards         0 mm           - downwards         10 mm		gG: 10 A (500 V, 1 kA)			
fastening method         screw and nap-on mounting surface           side-by-side mounting         Yes           height         102 nm           depth         102 nm           depth         144 mm           required spacing         -           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards<					
• edde-by-aide mountingYesheight102 nmdepth102 nmdepth144 mmrequired spacing144 mm• with side by-aide mounting forwards10 mm- forwards10 mm- upwards10 mm- forwards10 mm- for live parts for auxiliary contextsSpring-loaded terminals- for auxiliary and control circuitspring-loaded terminals- for auxiliary contextsSpring-loaded terminals- for auxiliary contextsSpring-loaded terminals- formatic contextor for auxiliary contextsSpring-loaded terminals- solid2x (1 10 mm²)- solid1 10 mm²- solid1 0 mm²- solid		backward by +/- 22.5° on vertical mounting surface			
height         102 mm           width         45 mm           depth         144 mm           required spacing         10 mm           - whards         10 mm           - upwards         10 mm           - downwards         0 mm           - downwards         0 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - forwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         5 mm           Connections/ Terminals         Spring-loaded terminals           spring-loaded terminals         Spring-loaded terminals           of main curent circuit         spring-loaded terminals           solid or stranded         2x (1 10 mm <sup>2</sup> )           solid or stranded         1 10 mm <sup>2</sup> solid	0				
with         45 mm           depth         144 mm           required spacing         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - forwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         0 mm           - downwards         0 mm           - downwards         6 mm           - downwards         9 mm           Connections/ Terminals         Spring-loaded terminals           of or auxiliary and control circuit         spring-loaded terminals           of auxiliary and control circuit         Spring-lype terminals           of auxiliary and control corosisecins for main contacits         Spring-lype te	· · · · · · · · · · · · · · · · · · ·				
depth         144 mm           required spacing         -           • with side by-side mounting         -           - forwards         10 mm           - upwards         10 mm           - downwards         00 mm           - at the side         0 mm           - downwards         10 mm           - at the side         0 mm           - for grounded parts         -           - forwards         10 mm           - upwards         10 mm           - at the side         6 mm           - downwards         10 mm           - downwards					
required spacing         • with side-by-side mounting           - forwards         10 mm           - upwards         10 mm           - downwards         00 mm           - downwards         00 mm           - downwards         00 mm           - downwards         10 mm           - downwards         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - upwards         10 mm           - upwards         10 mm           - forwards         10 mm           - upwards         10 mm           - upwards         10 mm           - downwards         10 mm           - otomactable conductor cros-sections or main contacts         spring-lyaded termina					
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	required spacing				
	<ul> <li>with side-by-side mounting</li> </ul>				
- downwards10 mm- at the side0 mm- for grounded parts0 mm- forwards10 mm- upwards0 mm- upwards10 mm- downwards10 mm- downwards10 mm- downwards10 mm- for live parts forwards10 mm- upwards10 mm- downwards10 mm- downwards5 pring-loaded terminals- downwardsspring-loaded terminals- for main current circuitspring-loaded terminals+ for auxiliary and control circuitspring-loaded terminals+ of angel coilSpring-type terminals- of magnet coilSpring-type terminals- of magnet coilSpring-type terminals- of magnet coilSpring-type terminals- solidStranded- solidStranded- solidStranded- solidsolid- solidsolid- solidsolid- solid or stranded1 10 mm² <td>— forwards</td> <td>10 mm</td>	— forwards	10 mm			
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• for live partsImage: constraint of the straint of the	— at the side	6 mm			
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	• for live parts				
downwards10 mm at the side6 mmConnections/ Terminalstype of electrical connectionspring-loaded terminals• for main current circuitspring-loaded terminals• for auxiliary and control circuitSpring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminalstype of connectable conductor cross-sections for main contactsSyring-type terminals• solid2x (1 10 mm²)• solid or stranded2x (1 10 mm²)• solid or stranded with core end processing2x (1 6 mm²)• solid1 10 mm²• solid1 10 mm²• solid1 10 mm²• solid1 6 mm²)• solid1 6 mm²• solid1 6 mm²• solid or stranded with core end processing1 6 mm²• solid or stranded with core end processing1 6 mm²• solid or stranded with core end processing1 6 mm²• solid or stranded with core end processing1 6 mm²• finely stranded with core end processing0.5 2.5 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with	— forwards	10 mm			
at the side6 mmConnections/ Terminalstype of electrical connectionspring-loaded terminals• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminals• of magnet coil2x (1 10 mm²)• solid2x (1 10 mm²)• solid or stranded2x (1 10 mm²)• finely stranded with core end processing2x (1 6 mm²)• solid1 10 mm²• solid1 10 mm²• solid1 10 mm²• solid1 10 mm²• solid or stranded with core end processing2x (1 6 mm²)• solid1 10 mm²• solid1 10 mm²• solid or stranded with core end processing1 6 mm²• solid or stranded with core end processing1 6 mm²• solid or stranded with core end processing1 10 mm²• solid or stranded with core end processing1 6 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 with core end processing0.5 2.5 mm²	— 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         • of magnet coil       Spring-type terminals         • type of connectable conductor cross-sections for main contacts       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)         • finely stranded with core end processing       2x (1 6 mm²)         • solid       1 10 mm²         • solid or stranded       1 10 mm²         • solid or stranded with core end processing       1 6 mm²         • finely stranded with core end processing       1 6 mm²         • solid or stranded       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded with core end pr	— downwards	10 mm			
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for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet collSpring-type terminals• of magnet coll2x (1 10 mm²)• solid2x (1 10 mm²)• solid or stranded2x (1 10 mm²)• finely stranded with core end processing2x (1 6 mm²)• finely stranded with core end processing2x (1 6 mm²)• solid1 10 mm²• solid or stranded with core end processing1 10 mm²• solid or stranded with core end processing1 10 mm²• solid or stranded with core end processing1 10 mm²• finely stranded with core end processing1 6 mm²• finely 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• finely stranded without core end processing0.5 2.5 mm²• finely stranded withou	Connections/ Terminals				
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• of magnet coilSpring-type terminalstype of connectable conductor cross-sections for main contacts2x (110 mm²)• solid or stranded2x (110 mm²)• solid or stranded with core end processing2x (16 mm²)• finely stranded with core end processing2x (16 mm²)• finely stranded with core end processing2x (16 mm²)• solid110 mm²• solid110 mm²• solid110 mm²• stranded16 mm²• finely stranded with core end processing16 mm²• finely stranded with core end processing16 mm²• finely stranded with core end processing0.52.5 mm²• solid or stranded0.52.5 mm²• solid or stranded0.52.5 mm²• finely stranded with core end processing0.52.5 mm²• finely stranded with core end processing0.52.5 mm²	<ul> <li>for auxiliary and control circuit</li> </ul>	spring-loaded terminals			
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• finely stranded without core end processing $2x (1 6 mm^2)$ connectable conductor cross-section for main contacts $1 10 mm^2$ • solid $1 10 mm^2$ • stranded $1 10 mm^2$ • finely stranded with core end processing $1 6 mm^2$ • finely stranded without core end processing $1 6 mm^2$ • connectable conductor cross-section for auxiliary contacts $0.5 2.5 mm^2$ • solid or stranded $0.5 2.5 mm^2$ • finely stranded with core end processing $0.5 2.5 mm^2$ • finely stranded without core end processing $0.5 2.5 mm^2$	<ul> <li>solid or stranded</li> </ul>	2x (1 10 mm²)			
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• solid1 10 mm²• stranded1 10 mm²• finely stranded with core end processing1 6 mm²• finely stranded without core end processing1 6 mm²• solid or stranded0.5 2.5 mm²• finely stranded with core end processing0.5 1.5 mm²• finely stranded with core end processing0.5 2.5 mm²• finely stranded with core end processing0.5 2.5 mm²	<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)			
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• finely stranded without core end processing     1 6 mm²       connectable conductor cross-section for auxiliary contacts     6 mm²       • solid or stranded     0.5 2.5 mm²       • finely stranded with core end processing     0.5 1.5 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 without core end processing     0.5 2.5 mm²	• stranded	1 10 mm²			
• finely stranded without core end processing     1 6 mm²       connectable conductor cross-section for auxiliary contacts     6 mm²       • solid or stranded     0.5 2.5 mm²       • finely stranded with core end processing     0.5 1.5 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 without core end processing     0.5 2.5 mm²	<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²			
connectable conductor cross-section for auxiliary contacts       0.5 2.5 mm²         • solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 2.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         • type of connectable conductor cross-sections       0.5 2.5 mm²					
• solid or stranded       0.5 2.5 mm²         • finely stranded with core end processing       0.5 1.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       Vertical and the section of the					
• finely stranded with core end processing       0.5 1.5 mm²         • finely stranded without core end processing       0.5 2.5 mm²         type of connectable conductor cross-sections       • • • • • • • • • • • • • • • • • • •	-	0.5 2.5 mm²			
finely stranded without core end processing     0.5 2.5 mm <sup>2</sup>					
type of connectable conductor cross-sections					

finally atrans	anded		x (0.5 2.5 mm <sup>2</sup> )			
<ul> <li>finely stranded with core end processing</li> </ul>		•	2x (0.5 1.5 mm <sup>2</sup> )			
<ul> <li>finely stranded without core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul>			2x (0.5 2.5 mm <sup>2</sup> )			
	ed connectable conducto		x (20 14)			
for main contacts		1	8 8			
<ul> <li>for auxiliary contr</li> </ul>	for auxiliary contacts		0 14			
ifety related data		_				
product function						
•	cording to IEC 60947-4-1	~	<b>1</b> 00			
<ul> <li>mirror contact according to IEC 60947-4-1</li> <li>positively driven operation according to IEC 60947-5-1</li> </ul>			Yes			
			No Yes			
suitability for use safety-related switching OFF						
B10 value with high demand rate according to SN 31920		4 31920 4	50 000			
proportion of dangero						
<ul> <li>with low demand rate according to SN 31920</li> </ul>			0 %			
<ul> <li>with high demand rate according to SN 31920</li> </ul>			3 %			
failure rate [FIT] with low	w demand rate according	to SN 31920 1	00 FIT			
61508	nterval or service life acco	-	0 a			
•	the front according to I		20			
•	ne front according to IEC	<b>60529</b> fi	nger-safe, for vertical contact	from the front		
ertificates/ approvals						
General Product App	roval					
(Sp)	<u>Confirmation</u>			KC	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Con	nformity	Test Certificates	Marine / Shipping	
	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	ABS	
Marine / Shipping						
		Lloude				
B U R E A U VERITAS		Register	PRS	RINA	RMRS	
BUREAU VERITAS		Register	PRS	Environment	RMRS	
other Confirmation		Confirmation	Railway Vibration and Shock	Environment Environmental Con- firmations	RMRS	

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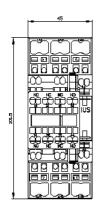
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

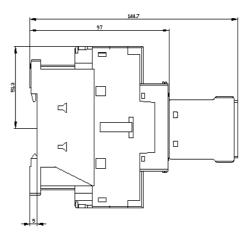
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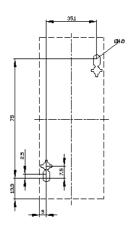
Characteristic: Tripping characteristics, I2t, Let-through current

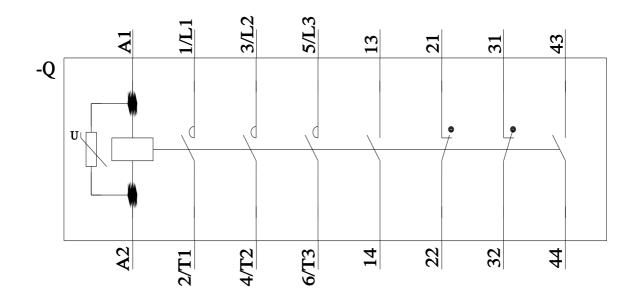
https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2CL24-3MA0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2CL24-3MA0&objecttype=14&gridview=view1









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