## SIEMENS

## Data sheet

## 3RT2036-1AH04



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 48 V AC, 50 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, removable auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S2
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>auxiliary switch</li> </ul>	No
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	12 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	4 W
<ul> <li>without load current share typical</li> </ul>	6 W
insulation voltage	
• of main circuit with degree of pollution 3 rated value	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	9.8g / 5 ms, 6.5g / 10 ms
shock resistance with sine pulse	
• at AC	15.3g / 5 ms, 10.1g / 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)	10/01/2014
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
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated	70 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	70 A
— up to 690 V at ambient temperature 60 °C rated	60 A
value	
• at AC-3	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
• at AC-3e	
— at 400 V rated value	51 A
— at 500 V rated value	51 A
— at 690 V rated value	24 A
at AC-4 at 400 V rated value	41 A
at AC-5a up to 690 V rated value	61.6 A
• at AC-5b up to 400 V rated value	41.5 A
• at AC-6a	43.2 A
— up to 230 V for current peak value n=20 rated value	
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	43.2 A 43.2 A
— up to 500 V for current peak value n=20 rated value	45.2 A 24 A
• at AC-6a	24 A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	28.8 A
— up to 200 V for current peak value n=30 rated value	28.8 A
— up to 500 V for current peak value n=30 rated value	28.8 A
— up to 690 V for current peak value n=30 rated value	24 A
minimum cross-section in main circuit at maximum AC-1 rated	25 mm <sup>2</sup>
value	
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	24 A
at 690 V rated value	20 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	23 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	
— at 24 V rated value	55 A
— at 60 V rated value	45 A
— at 110 V rated value	45 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	45 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	35 A
— at 60 V rated value	6 A
— at 220 V rated value	1 A
— at 440 V rated value	0.1 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	55 A
— at 60 V rated value	45 A
— at 110 V rated value	25 A
— at 220 V rated value	5 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	55 A
— at 60 V rated value	55 A
— at 110 V rated value	55 A
— at 220 V rated value	25 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.35 A
operating power	
at AC-2 at 400 V rated value	22 kW
• at AC-3	
- at 230 V rated value	15 kW
— at 200 V rated value	22 kW
- at 500 V rated value	22 kW
— at 690 V rated value	22 kW
• at AC-3e	ZZ NVV
- at 400 V rated value	22 kW
— at 500 V rated value	22 KW
— at 690 V rated value	22 KW
operating power for approx. 200000 operating cycles at AC-	
4	
• at 400 V rated value	12.6 kW
• at 690 V rated value	18.2 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	17.2 kVA
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	29.9 kVA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	37.4 kVA
• up to 690 V for current peak value n=20 rated value	28.6 kVA
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	11.4 kVA
• up to 400 V for current peak value n=30 rated value	19.9 kVA
• up to 500 V for current peak value n=30 rated value	24.9 kVA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	28.6 kVA
short-time withstand current in cold operating state up to	
40 °C	
	937 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	
<ul> <li>limited to 1 s switching at zero current maximum</li> <li>limited to 5 s switching at zero current maximum</li> </ul>	697 A; Use minimum cross-section acc. to AC-1 rated value
-	697 A; Use minimum cross-section acc. to AC-1 rated value 468 A; Use minimum cross-section acc. to AC-1 rated value
• limited to 5 s switching at zero current maximum	
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> </ul> <b>no-load switching frequency</b> <ul> <li>at AC</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency</li> <li>at AC</li> <li>operating frequency</li> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3 e maximum</li> <li>at AC-4 maximum</li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h
<ul> <li>limited to 5 s switching at zero current maximum</li> <li>limited to 10 s switching at zero current maximum</li> <li>limited to 30 s switching at zero current maximum</li> <li>limited to 60 s switching at zero current maximum</li> <li>no-load switching frequency <ul> <li>at AC</li> </ul> </li> <li>operating frequency <ul> <li>at AC-1 maximum</li> <li>at AC-2 maximum</li> <li>at AC-3 maximum</li> <li>at AC-3e maximum</li> </ul> </li> </ul>	468 A; Use minimum cross-section acc. to AC-1 rated value 282 A; Use minimum cross-section acc. to AC-1 rated value 229 A; Use minimum cross-section acc. to AC-1 rated value 5 000 1/h 1 000 1/h 600 1/h 800 1/h 800 1/h

control supply voltage at AC • at 50 Hz rated value	48 V
• at 50 HZ rated value operating range factor control supply voltage rated value of	τυ v
magnet coil at AC	
• at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	190 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.72
apparent holding power of magnet coil at AC	
• at 50 Hz	16 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.37
closing delay	
• at AC	10 80 ms
opening delay	
• at AC	10 18 ms
arcing time	10 20 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	2
contact	
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	1A
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
<ul> <li>at 600 V rated value</li> </ul>	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	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	52 A
• at 600 V rated value	52 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	3 hp
— at 230 V rated value	10 hp
<ul> <li>for 3-phase AC motor</li> </ul>	
— at 200/208 V rated value	
	15 hp
— at 220/230 V rated value	15 hp 15 hp
— at 220/230 V rated value — at 460/480 V rated value	
	15 hp

design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
— with type of coordination 1 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
- with type of assignment 2 required	gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
nstallation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
side-by-side mounting	Yes
height	114 mm
width	55 mm
depth	174 mm
required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	10 mm
— upwards	10 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
for live parts	10 mm
— forwards	10 mm
— upwards	10 mm
— downwards — at the side	10 mm 6 mm
Connections/ Terminals	0 mm
type of electrical connection	
for main current circuit	screw-type terminals
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections for main contacts	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
<ul> <li>solid or stranded</li> </ul>	2x (1 35 mm²). 1x (1 50 mm²)
	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
solid or stranded     inely stranded with core end processing     connectable conductor cross-section for main contacts	2x (1 35 mm²), 1x (1 50 mm²) 2x (1 25 mm²), 1x (1 35 mm²)
• finely stranded with core end processing	
• finely stranded with core end processing connectable conductor cross-section for main contacts	2x (1 25 mm²), 1x (1 35 mm²)
finely stranded with core end processing     connectable conductor cross-section for main contacts <ul> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²)
finely stranded with core end processing     connectable conductor cross-section for main contacts <ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for auxiliary contacts</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²) 1 35 mm²
finely stranded with core end processing     connectable conductor cross-section for main contacts <ul> <li>finely stranded with core end processing</li> </ul> connectable conductor cross-section for auxiliary contacts <ul> <li>solid or stranded</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
finely stranded with core end processing     connectable conductor cross-section for main contacts <ul> <li>finely stranded with core end processing</li> </ul> connectable conductor cross-section for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
finely stranded with core end processing     connectable conductor cross-section for main contacts <ul> <li>finely stranded with core end processing</li> </ul> connectable conductor cross-section for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> type of connectable conductor cross-sections	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> </ul> </li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup>
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<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>m solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for auxiliary contacts</li> </ul> </li> <li>AWG number as coded connectable conductor cross section</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14)
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>a solid or stranded</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> </ul> </li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with 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 main contacts</li> <li>for auxiliary contacts</li> </ul> </li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with 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> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for auxiliary contacts</li> <li>a solid or stranded</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>AWG number as coded connectable conductor cross section</li> <li>for auxiliary contacts</li> <li>a for main contacts</li> <li>for auxiliary contacts</li> </ul>	2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 1 35 mm <sup>2</sup> 0.5 2.5 mm <sup>2</sup> 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ) 2x (20 16), 2x (18 14) 18 1 20 14
<ul> <li>finely stranded with core end processing</li> <li>connectable conductor cross-section for main contacts         <ul> <li>finely stranded with core end processing</li> </ul> </li> <li>connectable conductor cross-section for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>type of connectable conductor cross-sections         <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>for auxiliary contacts</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>a for main contacts</li> <li>for auxiliary contacts</li> </ul>	2x (1 25 mm²), 1x (1 35 mm²) 1 35 mm² 0.5 2.5 mm² 0.5 2.5 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) 18 1 20 14 Yes

<ul> <li>with low demand</li> </ul>	d rate according to SN 319	20 40	%		
<ul> <li>with high demar</li> </ul>	nd rate according to SN 319	920 73 9	%		
failure rate [FIT] with lo	ow demand rate according	to SN 31920 100	FIT		
T1 value for proof test 61508	interval or service life acco	rding to IEC 20 a	a		
protection class IP or	n the front according to I	EC 60529 IP2	0		
touch protection on t	the front according to IEC	<b>60529</b> fing	er-safe, for vertical contact	from the front	
Certificates/ approvals	;				
General Product App	proval				
() M	<u>Confirmation</u>		UL UL	KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confe	ormity	Test Certificates	
RCM	Type Examination Cer- tificate	UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	Special Test Certific- ate
Marine / Shipping					
ABS	B U R E A U VERITAS		Lloyds Register urs	PRS	RINA
ABS	BUREAU VERITAS		Liks	PRS Dangerous Good	<b>Environment</b>
		Confirmation		PRS Dangerous Good Transport Information	Environmental Con- firmations
Marine / Shipping	other Confirmation		Railway	-	Environmental Con-
Marine / Shipping	other <u>Confirmation</u> d to exit the Russian mark	tet (see here). ₂/siemens-wind-down-ru	Railway Vibration and Shock	-	Environmental Con-
Marine / Shipping	other <u>Confirmation</u>	tet (see here). e/siemens-wind-down-ru rent EAC certificates. tatus of validity of the E	Railway Vibration and Shock Ssian-business AC certification if you inten	Transport Information	Environmental Con- firmations
Marine / Shipping	other Confirmation d to exit the Russian mark com/global/en/pressrelease on the renewal of the curr cal Siemens office on the s other than the sanctioned B ackaging	<b>xet (see here).</b> /siemens-wind-down-ru <b>ent EAC certificates.</b> tatus of validity of the E EAEU member states Ru	Railway Vibration and Shock Ssian-business AC certification if you inten	Transport Information	Environmental Con- firmations
Marine / Shipping Warine / Shipping Marine / Shipping Further information Siemens has decided https://press.siemens.d Siemens is working of Please contact your loo EAC relevant market (of Information on the pa https://support.industry Information- and Dow	other Confirmation d to exit the Russian mark com/global/en/pressrelease on the renewal of the curr cal Siemens office on the s other than the sanctioned E ackaging y siemens.com/cs/ww/en/vii wnloadcenter (Catalogs, E	<b>tet (see here).</b> e/siemens-wind-down-ru <b>rent EAC certificates.</b> tatus of validity of the E EAEU member states Ru ew/109813875	Railway Vibration and Shock Ssian-business AC certification if you inten	Transport Information	Environmental Con- firmations
Marine / Shipping Warine / Shipping Marine / Shipping Further information Siemens has decided https://press.siemens.co Siemens is working o Please contact your loo EAC relevant market (content of the particular of the pa	other Confirmation d to exit the Russian mark com/global/en/pressrelease on the renewal of the curr cal Siemens office on the s other than the sanctioned E ackaging v.siemens.com/cs/ww/en/vii wnloadcenter (Catalogs, E com/ic10	ket (see here). /siemens-wind-down-ru rent EAC certificates. tatus of validity of the E EAEU member states Ru ew/109813875 Brochures,)	Railway Vibration and Shock Ssian-business AC certification if you inten ussia or Belarus).	Transport Information	Environmental Con- firmations

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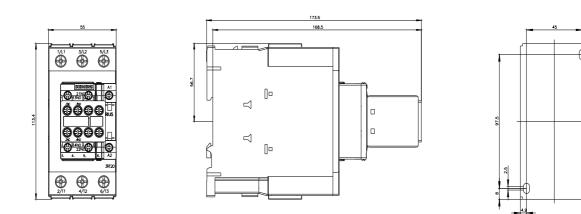
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

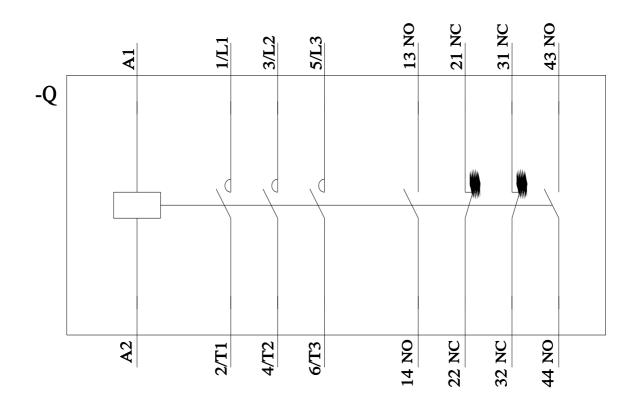
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

- http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2036-1AH04&lang=en
- Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current
- https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1AH04/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1AH04&objecttype=14&gridview=view1





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