SIEMENS

Data sheet 3RT1056-6AF36





power contactor, AC-3e/AC-3 185 A, 90 kW / 400 V AC (50-60 Hz) / DC Uc: 110-127 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal



product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	39 W
 at AC in hot operating state per pole 	13 W
 without load current share typical 	5.2 W
type of calculation of power loss depending on pole	quadratic
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1
Weight	3.371 kg
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m

ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Environmental footprint	
global warming potential [CO2 eq] total	379 kg
global warming potential [CO2 eq] during manufacturing	17 kg
global warming potential [CO2 eq] during sales	0.901 kg
global warming potential [CO2 eq] during operation	363 kg
global warming potential [CO2 eq] after end of life	-2.28 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
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	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	215 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	215 A
— up to 690 V at ambient temperature 60 °C rated value	185 A
— up to 1000 V at ambient temperature 40 °C rated value	100 A
— up to 1000 V at ambient temperature 60 °C rated value	100 A
• at AC-3	
— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
• at AC-3e	
— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A
• at AC-4 at 400 V rated value	160 A
• at AC-5a up to 690 V rated value	189 A
at AC-5b up to 400 V rated value	153 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	157 A
— up to 400 V for current peak value n=20 rated value	157 A
— up to 500 V for current peak value n=20 rated value	157 A
— up to 690 V for current peak value n=20 rated value	157 A
— up to 1000 V for current peak value n=20 rated	65 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	105 A
— up to 400 V for current peak value n=30 rated value	105 A
— up to 500 V for current peak value n=30 rated value	105 A
— up to 690 V for current peak value n=30 rated value	105 A
— up to 1000 V for current peak value n=30 rated	0E A
value	65 A
minimum cross-section in main circuit at maximum AC-1 rated value	95 mm ²
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4	95 mm²
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at	

operational current	
at 1 current path at DC-1 At 24 V rate describes	400 A
— at 24 V rated value	160 A
— at 60 V rated value — at 110 V rated value	160 A 18 A
— at 220 V rated value	3.4 A
— at 440 V rated value — at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
with 2 current paths in series at DC-1	0.5 A
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
with 3 current paths in series at DC-1	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	11.5 A
— at 600 V rated value	4 A
• at 1 current path at DC-3 at DC-5	
— at 24 V rated value	160 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	160 A
— at 60 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
with 3 current paths in series at DC-3 at DC-5	400 A
— at 24 V rated value	160 A 160 A
— at 60 V rated value — at 110 V rated value	160 A
— at 220 V rated value	160 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	0.1071
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
• at 400 V rated value	45 kW
• at 690 V rated value	65 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	60 kVA

# up to 300 V for current pask value in 201 stell value		
up to 1900 V for current peak value n=20 rated value	• up to 400 V for current peak value n=20 rated value	100 kVA
10 1000 V for current peak value mc0 read value 20 peaking appearent power at AC-6 20 peaking appearent power at AC-6 20 peaking appearent power at AC-6 20 peaking appearent power at AC-6 maximum 20 peak value mc0 read value 20 peaking appearent maximum 20 peak value mc0 read value 20 peaking appearent maximum 20 peaking at AC-6 peaking at AC-	 up to 500 V for current peak value n=20 rated value 	130 kVA
operating apparent power at AC-Ea	 up to 690 V for current peak value n=20 rated value 	180 kVA
up to 230 V for current peak value n=30 rated value 70 kVA 7	 up to 1000 V for current peak value n=20 rated value 	110 kVA
up to 400 V for current peak value n=30 rated value 400 kVA 500 kVA	operating apparent power at AC-6a	
up to 500 V for current peak value n=30 rated value 100 kVA	 up to 230 V for current peak value n=30 rated value 	40 kVA
• up to 800 V for current peak value n=30 rade value 120 kVA 110 kVA	 up to 400 V for current peak value n=30 rated value 	70 kVA
Limited to 1 switching at zero current maximum 2 900 A: Use minimum cross-section acc. to AC-1 rated value 1400 A: Use minimum cross-section acc. to	 up to 500 V for current peak value n=30 rated value 	90 kVA
both-time withstand current in cold operating state up to 40°CC withinded to 1 s switching at zero current maximum 2 900 A; Use minimum cross-section acc. to AC-1 rated value 480 A; Use minimum cross-section acc. to AC-1 rated value 480 A; Use minimum cross-section acc. to AC-1 rated value 480 A; Use minimum cross-section acc. to AC-1 rated value 480 A; Use minimum cross-section acc. to AC-1 rated value 968	 up to 690 V for current peak value n=30 rated value 	120 kVA
# limited to 1 s witching at zero current maximum # limited to 10 s switching at zero current maximum # limited to 10 s switching at zero current maximum # limited to 10 s witching at zero current maximum # limited to 10 s witching at zero current maximum # limited to 00 s switching at zero current maximum # limited to 00 s switching at zero current maximum # limited to 00 s switching at zero current maximum # limited to 00 s switching at zero current maximum # limited to 00 s switching at zero current maximum # limited to 00 s switching at zero current maximum # solo 12 color	 up to 1000 V for current peak value n=30 rated value 	110 kVA
Illimided to 1 s switching at zero current maximum Illimided to 10 switching at zero current maximum Illimided to 10 switching at zero current maximum Illimided to 10 switching at zero current maximum Illimided to 30 switching at zero current maximum Illimided to 40 switching at zero current ma		
Filmided to 5 a switching at zero current maximum		2 900 A: Use minimum cross-section acc to AC-1 rated value
Filmited to 10 s switching at zero current maximum 1480 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 968 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use minimum cross-section acc. to AC-1 rated value 960 A; Use	-	
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• limited to 80 s switching at zero current maximum 801 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 2 000 1/h 2 0	-	
a AC	· ·	
		,
• at DC operating frequency • at AC-2 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at Control supply voltage of the control supply voltage • at 50 Hz rated value • at 50 Hz rated value • at 60 Hz • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC		2 000 1/h
Ac-1 maximum		
• at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at Ovortical circuit/ Control Type of voltage of the control supply voltage Control supply voltage at AC • at 60 Hz rated value • at 60 Hz • at maximum rated control supply voltage at AC • at 60 Hz • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at maximum r		
		800 1/h
	• at AC-2 maximum	300 1/h
	• at AC-3 maximum	750 1/h
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at AC at 50 Hz rated value at 60 Hz rated value to at 60 Hz rated value 110 127 V control supply voltage at DC rated value operating range factor control supply voltage rated value of magnet coil at DC initial value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage rated value of magnet coil at AC intidiscale value operating range factor control supply voltage at AC intidiscale value operating range factor control supply voltage at AC intidiscale value operating range factor control supply voltage at AC intidiscale value operating range factor control supply voltage at AC intidiscale value operating range factor value	at AC-3e maximum	750 1/h
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control supply voltage at AC at 50 Hz rated value at 60 Hz rated value at 60 Hz rated value 110 127 V control supply voltage at DC rated value 110 127 V control supply voltage at DC rated value perating range factor control supply voltage rated value of magnet coil at DC initial value initial value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 H	Control circuit/ Control	
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magnet coil at DC • initial value • full-scale value operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz apparent pick-up power • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz at 50 Hz - at 60 Hz at 50 Hz - at 60 Hz - at 50 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at 50 Hz - at 60 Hz - at minimum rated control supply voltage at DC - at maximum rated control supply voltage at DC - at maximum rated control supply voltage at DC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at minimum rated control supply voltage at AC - at 60 Hz	control supply voltage at DC rated value	110 127 V
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operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz design of the surge suppressor apparent pick-up power • at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz • at maximum rated control supply voltage at AC — at 60 Hz • at maximum rated control supply voltage at AC — at 50 Hz — at 50 Hz • at so Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz at 60 Hz at 60 Hz 0.9 apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz at 60 Hz at 60 Hz at 60 Hz at minimum rated control supply voltage at DC • at folding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 4.8 VA 4.8 VA	initial value	0.8
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- at 50 Hz - at 60 Hz 250 VA • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz 300 VA apparent pick-up power of magnet coil at AC • at 50 Hz 300 VA apparent pick-up power of magnet coil at AC • at 50 Hz 300 VA inductive power factor with closing power of the coil • at 50 Hz 0.9 • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC apparent holding power • at minimum rated control supply voltage at AC - at 50 Hz - at 50 Hz 4.8 VA - at 60 Hz		
- at 60 Hz • at maximum rated control supply voltage at AC - at 60 Hz - at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at AC - at 50 Hz • at minimum rated control supply voltage at AC - at 50 Hz • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 4.8 VA		
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-at 50 Hz apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz 0.9 • at 60 Hz apparent holding power • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at DC • at minimum rated control supply voltage at AC - at 50 Hz - at 60 Hz 4.8 VA		200 \/A
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— at 60 Hz 4.8 VA		4.8 VA
at maximum rated control supply voltage at AC		
	at maximum rated control supply voltage at AC	

— at 50 Hz	5.8 VA
— at 50 пz — at 60 Hz	5.8 VA
inductive power factor with the holding power of the coil	0.0 VA
	0.0
• at 50 Hz • at 60 Hz	0.8
closing power of magnet coil at DC	360 W
holding power of magnet coil at DC	5.2 W
closing delay	00 05
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	4000
• at AC	40 60 ms
• at DC	40 60 ms
arcing time	10 15 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	
• 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	180 A
at 600 V rated value	192 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	30 hp
• for 3-phase AC motor	
— at 200/208 V rated value	60 hp
— at 220/230 V rated value	75 hp
— at 460/480 V rated value	150 hp
— at 575/600 V rated value	200 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
for short-circuit protection of the main circuit	

with time of accordination 4 yearsized	~C. 255 A (COO V 400 kA)
— with type of coordination 1 required	gG: 355 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface
	+/- 22.5° tiltable to the front and back
fastening method side-by-side mounting	Yes
fastening method	screw fixing
height	172 mm
width	120 mm
depth	170 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	22
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	20
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts of magnet sell.	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	17 mm
thickness of connection bar	3 mm
diameter of holes number of holes	9 mm
type of connectable conductor cross-sections	1
for AWG cables for main contacts	4 250 kcmil
connectable conductor cross-section for main contacts	4 200 KCITIII
stranded	25 120 mm²
connectable conductor cross-section for auxiliary contacts	20 120 11111
solid or stranded	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm ²
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	, , , , , , , , , , , , , , , , , , , ,
— finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 for AWG cables for auxiliary contacts 	
for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
AWG number as coded connectable conductor cross section	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section • for auxiliary contacts	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section • for auxiliary contacts Safety related data	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section • for auxiliary contacts Safety related data product function	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12 18 14
AWG number as coded connectable conductor cross section • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12 18 14
AWG number as coded connectable conductor cross section • for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12 18 14 Yes No

with low demand rate according to SN 31920 with high demand rate according to SN 31920 7	Yes 40 %
 with low demand rate according to SN 31920 with high demand rate according to SN 31920 7 	40 %
• with high demand rate according to SN 31920 7	40 %
5 5	
value with high demand rate according to SN 31920	73 %
0	1 000 000
re rate [FIT] with low demand rate according to SN 120	100 FIT
13849	
ice type according to ISO 13849-1	3
rdimensioning according to ISO 13849-2 necessary	Yes
61508	
ety device type according to IEC 61508-2	Type A
strical Safety	
tection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
ch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
ovals Certificates	

General Product Approval









<u>KC</u>



EMV Functional Saftey Test Certificates Marine / Shipping



Type Examination Certificate

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Miscellaneous



Marine / Shipping other









Miscellaneous

Confirmation

other Railway **Environment**

Miscellaneous

Confirmation

Special Test Certific-<u>ate</u>



EcoTech



Environmental Confirmations

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=3RT1056-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT105

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

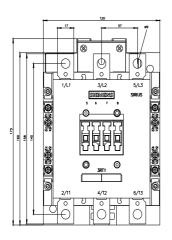
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1056-6AF36&lang=en

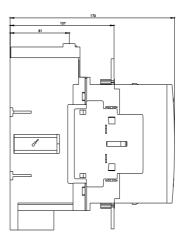
Characteristic: Tripping characteristics, I2t, Let-through current

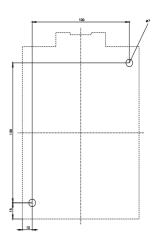
https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AF36/char

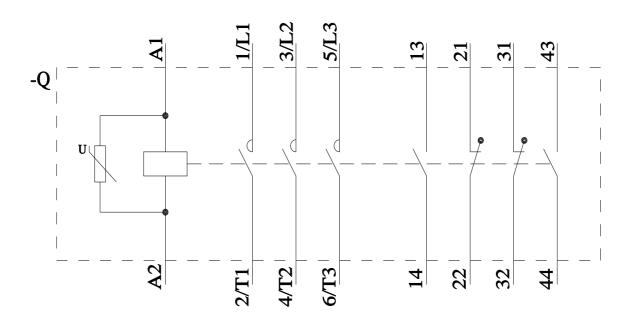
Further characteristics (e.g. electrical endurance, switching frequency)

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4/17/2025

