# **SIEMENS**

### Data sheet

## 3RT1056-6AF36

Power contactor, AC-3 185 A, 90 kW / 400 V AC (50-60 Hz) / DC operation 110-127 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S6 Busbar connections Drive: conventional screw terminal



product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1
General technical data	
Size of contactor	S6
Product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>Auxiliary switch</li> </ul>	Yes
Power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	39 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	13 W
Power loss [W] for rated value of the current without load current share typical	5.2 W
Surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between coil and main contacts acc. to EN 60947-1</li> </ul>	690 V

<ul> <li>protection class IP on the front</li> </ul>	IP00; IP20 on the front with cover / box terminal	
Protection class IP of the terminal	IP00	
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 (switching cycles)		
of contactor typical	10 000 000	
<ul> <li>of the contactor with added electronics-</li> </ul>	5 000 000	
compatible auxiliary switch block typical		
<ul> <li>of the contactor with added auxiliary switch</li> </ul>	10 000 000	
block typical		
Reference code acc. to DIN EN 81346-2	Q	
Ambient conditions Installation altitude at height above sea level		
maximum	2 000 m	
Ambient temperature		
during operation	-25 +60 °C	
during operation     during storage	-55 +80 °C	
	-55 +80 °C	
Main circuit		
Number of poles for main current circuit	3	
Number of poles for main current circuit Number of NO contacts for main contacts	3 3	
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage	3	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum		
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current	3	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V	3 1 000 V	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value	3	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1	3 1 000 V 215 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value	3 1 000 V	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C	3 1 000 V 215 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C	3 1 000 V 215 A 215 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C	3 1 000 V 215 A 215 A 185 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C rated value	3 1 000 V 215 A 215 A 185 A 100 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value	3 1 000 V 215 A 215 A 185 A 100 A 100 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         • at AC-2 at 400 V rated value         • at AC-3	3 1 000 V 215 A 215 A 185 A 100 A 100 A 185 A	
Number of poles for main current circuit         Number of NO contacts for main contacts         Operating voltage         • at AC-3 rated value maximum         Operating current         • at AC-1 at 400 V         — at ambient temperature 40 °C rated value         • at AC-1         — up to 690 V at ambient temperature 40 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 690 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 40 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value         — up to 1000 V at ambient temperature 60 °C rated value	3 1 000 V 215 A 215 A 185 A 100 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
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	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 value	65 A
• 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 value	65 A
Minimum cross-section in main circuit	
<ul> <li>at maximum AC-1 rated value</li> </ul>	95 mm <sup>2</sup>
Operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	81 A
• at 690 V rated value	65 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	160 A
— at 110 V rated value	18 A
— at 220 V rated value	3.4 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.5 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	160 A
— at 110 V rated value	160 A

	20.4
— at 220 V rated value	20 A 3.2 A
— at 440 V rated value	1.6 A
— at 600 V rated value	1.0 A
with 3 current paths in series at DC-1	160 A
- at 24 V rated value	160 A
— at 110 V rated value	160 A
— at 220 V rated value	11.5 A
— at 440 V rated value — at 600 V rated value	4 A
Operating current	
• at 1 current path at DC-3 at DC-5	
- at 24 V rated value	160 A
— at 110 V rated value	2.5 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
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 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
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	160 A
— 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	
• at AC-2 at 400 V rated value	90 kW
● 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
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	45 kW
• at 690 V rated value	65 kW
Operating apparent output at AC-6a	

Type of voltage of the control supply voltage Control supply voltage at AC	AC/DC
Control circuit/ Control	
● at AC-4 maximum	130 1/h
• at AC-3 maximum	750 1/h
● at AC-2 maximum	300 1/h
● at AC-1 maximum	800 1/h
Operating frequency	
• at DC	2 000 1/h
● at AC	2 000 1/h
No-load switching frequency	
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	801 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	968 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	1 480 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 084 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	2 900 A; Use minimum cross-section acc. to AC-1 rated value
Short-time withstand current in cold operating state up to 40 °C	
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	110 000 V·A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	120 000 V·A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	90 000 V·A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	70 000 V·A
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	40 000 V·A
Value Operating apparent output at AC-6a	
<ul> <li>value</li> <li>up to 1000 V for current peak value n=20 rated</li> </ul>	110 000 V·A
<ul> <li>value</li> <li>up to 690 V for current peak value n=20 rated</li> </ul>	180 000 V·A
<ul> <li>value</li> <li>up to 500 V for current peak value n=20 rated</li> </ul>	130 000 V·A
<ul> <li>value</li> <li>up to 400 V for current peak value n=20 rated</li> </ul>	100 000 V·A
<ul> <li>up to 230 V for current peak value n=20 rated</li> </ul>	60 000 kV·A

• at 50 Hz rated value	110 127 V
	110 127 V
at 60 Hz rated value	
Control supply voltage at DC	110 127 V
rated value	
Operating range factor control supply voltage rated value of magnet coil at DC	
● initial value	0.8
● Full-scale value	1.1
Operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
Design of the surge suppressor	with varistor
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	300 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.9
Apparent holding power of magnet coil at AC	
• at 50 Hz	5.8 V·A
Inductive power factor with the holding power of the coil	
• at 50 Hz	0.8
Closing power of magnet coil at DC	360 W
Holding power of magnet coil at DC	5.2 W
Closing delay	
● at AC	20 95 ms
● at DC	20 95 ms
Opening delay	
• 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	
<ul> <li>instantaneous contact</li> </ul>	2
Number of NO contacts for auxiliary contacts	
<ul> <li>instantaneous contact</li> </ul>	2
Operating current at AC-12 maximum	10 A
Operating 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
Operating current at DC-12	10 A
at 24 V rated value	6 A
• at 48 V rated value	
• 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
Operating 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
<ul> <li>at 220 V rated value</li> </ul>	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 three-phase AC motor	
• at 480 V rated value	180 A
• at 600 V rated value	192 A
Yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 230 V rated value	30 hp
<ul> <li>for three-phase AC motor</li> </ul>	
— 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 fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
- 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, 100 kA), BS88: 315 A (415 V, 50 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	

<ul> <li>mounting position</li> </ul>	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
Mounting type	screw fixing
<ul> <li>Side-by-side mounting</li> </ul>	Yes
Height	172 mm
Width	120 mm
Depth	170 mm
Required spacing	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm

Connections/ Terminals	
Width of connection bar	17 mm
Thickness of connection bar	3 mm
Diameter of holes	9 mm
Number of holes	1
<ul> <li>Type of electrical connection for main current circuit</li> </ul>	Connection bar
<ul> <li>Type of electrical connection for auxiliary and control current circuit</li> </ul>	screw-type terminals
<ul> <li>Type of electrical connection at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
<ul> <li>Type of electrical connection of magnet coil</li> </ul>	Screw-type terminals
Type of connectable conductor cross-sections	
<ul> <li>at AWG conductors for main contacts</li> </ul>	4 250 kcmil
Connectable conductor cross-section for main contacts	
• stranded	25 120 mm²
Connectable conductor cross-section for auxiliary contacts	
<ul> <li>single or multi-stranded</li> </ul>	0.5 4 mm²

CCCC CERTIFICATE	<ul> <li>finely stranded with core end proces</li> </ul>	sing	0.5 2.5 mm²			
<ul> <li>- solid</li> <li>- single or multi-stranded</li> <li>- finely stranded with core end processing</li> <li>- at AWG conductors for auxiliary contacts</li> <li>At WG conductors for auxiliary contacts</li> <li>At WG number as coded connectable conductor cross section</li> <li>- for auxiliary contacts</li> <li>- for auxiliary contacts<!--</td--><td>ype of connectable conductor cross-sect</td><td>ions</td><td></td><td></td><td></td><td></td></li></ul>	ype of connectable conductor cross-sect	ions				
	<ul> <li>for auxiliary contacts</li> </ul>					
	— solid		2x (0.5 1.5 m	m²), 2x (0.75 2.	5 mm²), max	. 2x (0.75 4 mm²)
• at AWG conductors for auxiliary contacts       2x (20 16), 2x (18 14), 1x 12         AWG number as coded connectable conductor cross section       • for auxiliary contacts       18 14         • for auxiliary contacts       1000 000         • or auxiliary contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-5-1       Yes         • positively driven operation acc. to IEC 60947-5-1       Finger-safe when touched vertically from front acc. to IEC 602         Yes       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       • finger-safe when touched vertically from front acc. to IEC 602         • ertificates / approvals       •	— single or multi-stranded	— single or multi-stranded		m²), 2x (0,75 2,	5 mm²), max	. 2x (0,75 4 mm²)
AWG number as coded connectable conductor cross section       18 14         afety related data       1000 000         Product function       1 000 000         • Mirror contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-5-1       No         Protection against electrical shock       finger-safe when touched vertically from front acc. to IEC 609         Suitability for use safety-related switching OFF       Yes         ertificates/ approvals       EMC         General Product Approval       EMC         Functional       Safety/Safe         of Machine       Type Examina         Occc       Miscellaneous         Miscellaneous       Type Test Certificates         Miscellaneous       Type Test Certificates         Miscellaneous       Type Test Certificates         ficate       Miscellaneous	— finely stranded with core end pr	ocessing	2x (0.5 1.5 m	m²), 2x (0.75 2.	5 mm²)	
section • for auxiliary contacts 18 14  afety related data B10 value • with high demand rate acc. to SN 31920 Product function • Mirror contact acc. to IEC 60947-4-1 • positively driven operation acc. to IEC 60947-5 1 Protection against electrical shock Suitability for use safety-related switching OFF  Protection against electrical shock Suitability for use safety-related switching OFF Central Product Approval Central Product Approval EMC Functional Safety/Safe of Machine Upu EMC Functional Safety/Safe of Machine Centricate  Declaration of Conformity Test Certificates  Marine / Sf ping  Miscellaneous Type Test Certific stes/Test Report Security	<ul> <li>at AWG conductors for auxiliary con-</li> </ul>	tacts	2x (20 16), 2x	x (18 14), 1x 12		
• for auxiliary contacts       18 14         afety related data       B10 value         • with high demand rate acc. to SN 31920       1 000 000         Product function       1 000 000         • Mirror contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-51       No         Protection against electrical shock       finger-safe when touched vertically from front acc. to IEC 605         Suitability for use safety-related switching OFF       Yes         Vertificates/ approvals       EMC         General Product Approval       EMC         Exc.       Vertificates/ opprovals         Ccc       Safety/Safe         Ccc       Safety/Safe         Ccc       Safety/Safe         Ccc       Safety/Safe         Of Machine       Safety/Safe         Ccc       Safety/Safe         Ccc       Safety/Safe         Ccc       Safety/Safe         Safety/Safe       Marine / Sf         Declaration of Conformity       Test Certificates         Marine / St       Special Test Certificate         Miscellaneous       Type Test Certificate         Miscellaneous       Type Test Certificate         Miscellaneous       Special Test Certi-	WG number as coded connectable cond	uctor cross				
adety related data         BIO value         • with high demand rate acc. to SN 31920       1 000 000         Product function         • Mirror contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-5-1       Yes         Protection against electrical shock       finger-safe when touched vertically from front acc. to IEC 609         Suitability for use safety-related switching OFF       Yes <b>EMC</b> Functional Safety/Safe of Machine         Operation of conformity         Type Test Certificates <b>Declaration of Conformity</b> Type Test Certificates         Miscellaneous       Type Test Certificate         Miscellaneous						
B10 value       • with high demand rate acc. to SN 31920       1 000 000         Product function       • Mirror contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-5-1       No         1       Protection against electrical shock       finger-safe when touched vertically from front acc. to IEC 609         Suitability for use safety-related switching OFF       Yes         Versiticates/ approvals       EMC         General Product Approval       EMC         Marine / State       Type Examina         Certificates       Marine / State         Miscellaneous       Type Test Certificates         Miscellaneous       Type Test Certificate         Miscellaneous       Special Test Cert	<ul> <li>for auxiliary contacts</li> </ul>		18 14			
<ul> <li>with high demand rate acc. to SN 31920</li> <li>1 000 000</li> <li>Product function         <ul> <li>Mirror contact acc. to IEC 60947-4-1</li> <li>positively driven operation acc. to IEC 60947-5-1</li> <li>Protection against electrical shock</li> <li>Suitability for use safety-related switching OFF</li> </ul> </li> <li>ertificates/ approvals         <ul> <li>ertificates/ approvals</li> <li>EMC</li> <li>Functional Safety/Safe of Machine</li> <li>Certificate</li> <li>General Product Approval</li> <li>ESS</li> <li>ESS</li></ul></li></ul>						
Product function     Mirror contact acc. to IEC 60947-4-1     Yes       • positively driven operation acc. to IEC 60947-5-1     No       • protection against electrical shock     finger-safe when touched vertically from front acc. to IEC 609       Suitability for use safety-related switching OFF     Yes       ertificates/ approvals     EMC     Functional Safety/Safe of Machine       efficates/ approvals     EMC     Functional Safety/Safe of Machine       Ower Construction     Image: Safe of Machine     Image: Safe of Machine       Out Construction     Image: Safe of Machine     Image: Safe of Machine       Out Construction     Image: Safe of Machine     Image: Safe of Machine       Out Construction     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine     Image: Safe of Machine     Image: Safe of Machine       Image: Safe of Machine						
• Mirror contact acc. to IEC 60947-4-1       Yes         • positively driven operation acc. to IEC 60947-5-1       No         • Protection against electrical shock       finger-safe when touched vertically from front acc. to IEC 608         Suitability for use safety-related switching OFF       Yes         ertificates/ approvals       EMC       Functional Safety/Safe of Machine         ertificates/ approvals       EMC       Functional Safety/Safe of Machine         eccc       ESE       Upper Examine       Certificates         eccc       ESE       Type Test Certificates       RCM       Marine / Shing         Declaration of Conformity       Type Test Certificates       Marine / Shing       Miscellaneous       Type Test Certificate         Miscellaneous       Type Test Certificates       Special Test Certificate       Miscellaneous       Image: Special Test Certificate	-	920	1 000 000			
• positively driven operation acc. to IEC 60947-5-1   Protection against electrical shock   Suitability for use safety-related switching OFF   Yes    ertificates/ approvals   General Product Approval   EMC   Functional Safety/Safe of Machine   Ccc   EMC   Functional Safety/Safe of Machine   Ccc   EMC   Functional Safety/Safe of Machine   Ccc   EMC   Functional Safety/Safe of Machine   Ccc   EMC   Functional Safety/Safe 	roduct function					
1       1       finger-safe when touched vertically from front acc. to IEC 605         Suitability for use safety-related switching OFF       Yes         EMC       Functional Safety/Safe of Machine         Control of Machine         Of Machine         Control of Conformity         Declaration of Conformity         Miscellaneous         Type Test Certificates         Miscellaneous       Type Test Certificate         Miscellaneous	• Mirror contact acc. to IEC 60947-4-1	1	Yes			
Suitability for use safety-related switching OFF       Yes         ertificates/ approvals       EMC       Functional Safety/Safe of Machine         Cocc       Figure       Functional Safety/Safe of Machine         Cccc       Figure       Figure       Functional Safety/Safe of Machine         Declaration of Conformity       Test Certificates       Marine / St ping         Miscellaneous       Type Test Certific ates       Miscellaneous       Miscellaneous		C 60947-5-	No			
ertificates/ approval         EMC       Functional Safety/Safe of Machine         Image: Colspan="3">Colspan="3">Type Examina Certificate         Image: Colspan="3">Colspan="3">Colspan="3">Type Examina Certificate         Image: Colspan="3">Colspan="3">Colspan="3">Type Examina Certificate         Image: Colspan="3">Colspan="3">Colspan="3">Colspan="3">Secial Test Certificate         Image: Colspan="3">Declaration of Conformity       Test Certificates       Marine / Sh ping         Image: Colspan="3">Type Test Certificates       Marine / Sh ping         Image: Colspan="3">Type Test Certificates       Marine / Sh ping         Image: Colspan="3">Type Test Certificates         Image: Colspan="3">Miscellaneous         Image: Colspan="3">Type Test Certificates         Image: Colspan="3">Miscellaneous	rotection against electrical shock		finger-safe whe	n touched verticall	y from front a	acc. to IEC 60529
General Product Approval       EMC       Functional Safety/Safe of Machine         Image: Ccc       Image: Cccc	uitability for use safety-related switching	OFF	Yes			
General Product Approval       EMC       Functional Safety/Safe of Machine         Image: Constraint of Conformity       Image: C	artificatos/ approvale					
Image: Note of Machine       Safety/Safe of Machine         Image: Note of Conformity       Image: Note of Machine       Type Examination of Conformity         Declaration of Conformity       Test Certificates       Marine / String         Image: Note of Machine       Marine / String       Marine / String         Image: Note of Machine       String       Marine / String         Image: Note of Conformity       Type Test Certificates       Miscellaneous       Miscellaneous         Image: Note of Conformity       Type Test Certificates       Miscellaneous       Miscellaneous         Image: Note of Conformity       Type Test Certificates       Miscellaneous       Miscellaneous         Image: Note of Conformity       Type Test Certificates       Miscellaneous       Miscellaneous				EMC		Functional
Image: constraint of constr	General Product Approval			EIVIC		
Image: Constraint of Conformity       Test Certificates       Marine / Sh         Declaration of Conformity       Test Certificates       Marine / Sh         Image: Miscellaneous       Type Test Certificates       Miscellaneous         Image: Miscellaneous       Type Test Certificates       Miscellaneous						
Image: Constraint of Conformity       Image: Constraint of Conformity       Test Certificates       Marine / Sh ping         Image: Conformity       Miscellaneous       Type Test Certificates       Miscellaneous       Miscellaneous         Image: Conformity       Image: Conformity       Special Test Certificates       Miscellaneous       Miscellaneous         Image: Conformity       Image: Conformity       Image: Conformity       Special Test Certificates       Miscellaneous         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity         Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity       Image: Conformity </td <td></td> <td></td> <td></td> <td>- ^</td> <td></td> <td>Type Examination</td>				- ^		Type Examination
Declaration of Conformity     Test Certificates     Marine / Sh ping		(h)	_ CO1			Certificate
Declaration of Conformity     Test Certificates     Marine / Sh ping       Miscellaneous     Type Test Certific- ates/Test Report     Special Test Certi- ficate     Miscellaneous			спі		ム	
Miscellaneous     Type Test Certific- ates/Test Report     Special Test Certi- ficate     Miscellaneous	CCC CSA	UL		RCM	Λ	
Miscellaneous     Type Test Certific- ates/Test Report     Special Test Certi- ficate     Miscellaneous						
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RMRS DNVGLCOM/AF	Marine / Shipping	ates/Test Re other	<u> </u>	Railw neous Special	· ·	ABS

#### Further information

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

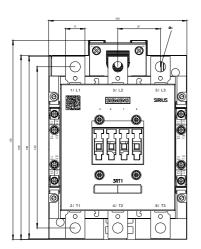
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6AF36

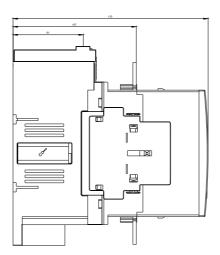
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AF36

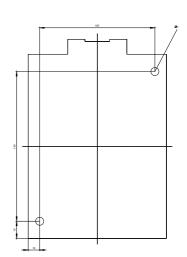
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1056-6AF36&lang=en

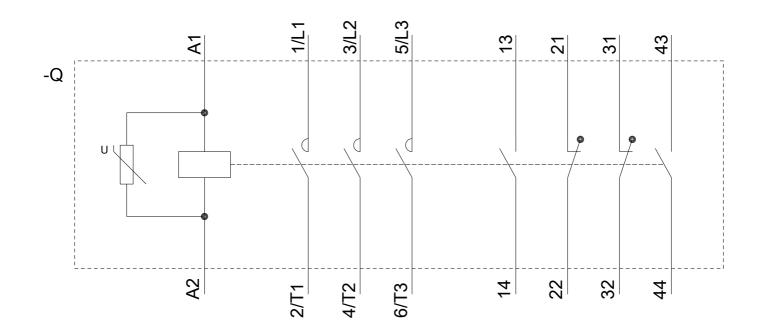
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AF36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-6AF36&objecttype=14&gridview=view1









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08/13/2020