SIEMENS

Data sheet 3RT1066-6PF35



power contactor, AC-3e/AC-3 300 A, 160 kW / 400 V, AC (50-60 Hz) / DC Uc: 96-127 V PLC input 24 V DC 3-pole, auxiliary contacts 1 NO + 1 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal with remaining lifetime indicator

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT1		
General technical data			
size of contactor	S10		
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 	66 W		
 at AC in hot operating state per pole 	22 W		
 without load current share typical 	3.4 W		
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		
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 %		

fain 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	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
• at AC-3	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
• at AC-3e	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	280 A
— at 1000 V rated value	95 A
 at AC-4 at 400 V rated value 	280 A
• at AC-5a up to 690 V rated value	290 A
• at AC-5b up to 400 V rated value	249 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	292 A
— up to 400 V for current peak value n=20 rated value	292 A
— up to 500 V for current peak value n=20 rated value	292 A
— up to 690 V for current peak value n=20 rated value	280 A
— up to 1000 V for current peak value n=20 rated	95 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	195 A
— up to 400 V for current peak value n=30 rated value	195 A
— up to 500 V for current peak value n=30 rated value	195 A
— up to 690 V for current peak value n=30 rated value	195 A
— up to 1000 V for current peak value n=30 rated value	95 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm²
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	125 A
at 690 V rated value	115 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A

-t 000 Vt- dl	000 A
— at 220 V rated value	300 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	11 A
— at 600 V rated value	5.2 A
at 1 current path at DC-3 at DC-5	
— at 24 V rated value	300 A
— at 60 V rated value	11 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.18 A
— at 600 V rated value	0.125 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 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 	
— at 24 V rated value	300 A
— at 60 V rated value	300 A
— at 110 V rated value	300 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
• at AC-3e	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
operating power for approx. 200000 operating cycles at AC-	
4	
 at 400 V rated value 	71 kW
at 690 V rated value	112 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	110 000 kVA
• up to 400 V for current peak value n=20 rated value	200 000 VA
 up to 500 V for current peak value n=20 rated value 	250 000 VA
• up to 690 V for current peak value n=20 rated value	330 000 VA
• up to 1000 V for current peak value n=20 rated value	160 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	70 000 VA
• up to 400 V for current peak value n=30 rated value	130 000 VA
• up to 500 V for current peak value n=30 rated value	160 000 VA
• up to 690 V for current peak value n=30 rated value	230 000 VA
• up to 1000 V for current peak value n=30 rated value	160 000 VA
short-time withstand current in cold operating state up to	
40 °C	

 limited to 1 s switching at zero current maximum 	5 524 A; Use minimum cross-section acc. to AC-1 rated value			
limited to 5 s switching at zero current maximum	4 579 A; Use minimum cross-section acc. to AC-1 rated value			
limited to 10 s switching at zero current maximum	3 153 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 30 s switching at zero current maximum 	1 883 A; Use minimum cross-section acc. to AC-1 rated value			
 limited to 60 s switching at zero current maximum 	1 445 A; Use minimum cross-section acc. to AC-1 rated value			
no-load switching frequency				
• at AC	1 000 1/h			
• at DC	1 000 1/h			
operating frequency				
• at AC-1 maximum	750 1/h			
• at AC-2 maximum	250 1/h			
• at AC-3 maximum	500 1/h			
at AC-3e maximum	500 1/h			
• at AC-4 maximum	130 1/h			
Control circuit/ Control	100 1/11			
type of voltage of the control supply voltage	AC/DC			
	AODC			
control supply voltage at AC	00 407.1/			
at 50 Hz rated value at 60 Hz rated value	96 127 V			
	96 127 V			
control supply voltage at DC	00 407.1/			
• rated value	96 127 V			
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			
type of PLC-control input according to IEC 60947-1	Type 2			
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA			
voltage at PLC-control input rated value	24 V			
operating range factor of the voltage at PLC-control input	0.8 1.1			
design of the surge suppressor	with varistor			
apparent pick-up power				
 at minimum rated control supply voltage at AC 				
— at 50 Hz	400 VA			
— at 60 Hz	400 VA			
 at maximum rated control supply voltage at AC 				
— at 60 Hz	530 VA			
— at 50 Hz	530 VA			
apparent pick-up power of magnet coil at AC				
• at 50 Hz	530 VA			
• at 60 Hz	530 VA			
inductive power factor with closing power of the coil				
• at 50 Hz	0.8			
• at 60 Hz	0.8			
apparent holding power				
at minimum rated control supply voltage at DC	2.8 VA			
• at maximum rated control supply voltage at DC	3.4 VA			
apparent holding power				
at minimum rated control supply voltage at AC				
— at 50 Hz	5.5 VA			
— at 60 Hz	5.5 VA			
at maximum rated control supply voltage at AC				
— at 50 Hz	8.5 VA			
— at 60 Hz	8.5 VA			
apparent holding power of magnet coil at AC				
apparent holding power of magnet coil at AC • at 50 Hz				
	8.5 VA 8.5 VA			

● at 50 Hz	0.4		
• at 60 Hz	0.4		
closing power of magnet coil at DC	580 W		
holding power of magnet coil at DC	3.4 W		
closing delay			
• at AC	45 80 ms		
• at DC	45 80 ms		
opening delay			
• at AC	80 100 ms		
• at DC	80 100 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)		
Auxiliary circuit	1 LO-IN OF Standard AT - AZ (adjustable)		
number of NC contacts for auxiliary contacts instantaneous	1		
number of NO contacts for auxiliary contacts instantaneous	1		
contact	10 A		
operational current at AC-12 maximum	10 A		
operational current at AC-15	0.4		
• 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)		
	Triadity Switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor	202 A		
• at 480 V rated value	302 A		
at 600 V rated value	289 A		
yielded mechanical performance [hp]			
• for 3-phase AC motor			
— at 200/208 V rated value	100 hp		
— at 220/230 V rated value	125 hp		
— at 460/480 V rated value	250 hp		
— at 575/600 V rated value	300 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
design of the fuse link			
for short-circuit protection of the main circuit			
 — with type of coordination 1 required 	gG: 500 A (690 V, 100 kA)		
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)		
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)		
 for short-circuit protection of the RLT relay output 	miniature fuse: 4 A FF (230 V, Ik= 400 A)		
required			
Installation/ mounting/ dimensions			
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface		

### ### ### ### ### ### ### ### ### ##	screw fixing //es 210 mm 165 mm 202 mm 20 mm 10 mm	
* side-by-side mounting * with side-by-side mounting * of mounting * with side-by-side mounting * of orwards * of orwar	Yes 210 mm 165 mm 202 mm 20 mm 10 mm	
Meight 210 mm	210 mm 165 mm 202 mm 20 mm 10 mm	
width depth 202 mm **emis side-by-side mounting	20 mm 20 mm 10 mm 10 mm 20 mm 20 mm 20 mm 20 mm 10 mm	
depth 202 mm required spacing	20 mm 10 mm 10 mm 20 mm 20 mm 10 mm	
e with side-by-side mounting - for owards - upwards - of owards - of morwards - of mo	20 mm 10 mm 20 mm 20 mm 20 mm 10 mm	
with side-by-side mounting	10 mm 10 mm 20 mm 20 mm 10 mm	
forwards	10 mm 10 mm 20 mm 20 mm 10 mm	
- upwards	10 mm 10 mm 20 mm 20 mm 10 mm	
- downwards	10 mm 20 mm 10 mm	
- at the side	20 mm 10 mm 11 mm	
• for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — downwards — to mm — at the side — upwards — downwards — to mm — at the side — to mm — at the side — to mm — to make the side	20 mm 10 mm 10 mm 10 mm 20 mm 10 mm	
forwards	10 mm 10 mm 10 mm 20 mm 10 mm 11 mm 11 mm	
- upwards	10 mm 10 mm 10 mm 20 mm 10 mm 11 mm 11 mm	
- at the side	10 mm 11 mm	
- downwards - for live parts - forwards - upwards - upwards - at the side - at the side - or main current circuit - for main current circuit - or auxiliary and control circuit - or auxiliary contacts - or magnet coil width of connection bar - diameter of holes - unmber of holes - stranded - or main current circuit - or auxiliary contacts - stranded - or magnet coil - or m	20 mm 10 mm 10 mm 10 mm 10 mm 10 mm Connection bar screw-type terminals	
• for live parts — forwards — upwards — downwards — downwards — at the side — of main current circuit — for auxiliary and control circuit — so of magnet coil — of magnet coil — so of magnet coil — of magnet co	20 mm 10 mm 10 mm 10 mm Connection bar screw-type terminals	
forwards upwards upwards 10 mm	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals 11 mm	
- upwards	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals 11 mm	
- downwards	Connection bar screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals 11 mm	
at the side 10 mm connections/ Torminals **Uppe of electrical connection ** for auxiliary and control circuit ** for auxiliary and control circuit ** at contactor for auxiliary contacts ** of magnet coil width of connection bar thickness of connection bar diameter of holes number of holes number of holes connectable conductor cross-section for main contacts ** stranded ** solid or stranded ** finely stranded with core end processing ** for auxiliary contacts -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid -* solid or stranded -* finely stranded with core end processing ** for auxiliary contacts -* solid or stranded -* finely stranded with core end processing -* for auxiliary contacts -* solid or stranded -	Connection bar Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals Screw-type terminals 11 mm	
type of electrical connection • for main current circuit • at contactor for auxillary and control circuit • at contactor for auxillary contacts • at contactor for auxillary contacts • of magnet coll screw-type terminals • of magnet coll S	Connection bar screw-type terminals Screw-type terminals Screw-type terminals 25 mm 6 mm	
type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil Screw-type terminals • of magnet coil In magnet coil In magnet coil 1 to magnet coil • for main contacts • stranded • stranded • stranded conductor cross-section for main contacts • stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • for auxiliary contacts • solid or stranded • for auxiliary contacts • solid or stranded • for auxiliary contacts • for au	Screw-type terminals Screw-type terminals Screw-type terminals 25 mm 6 mm 11 mm	
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals width of connection bar ### thickness of connection bar ### thickness of connection bar ### diameter of holes ### thickness of connection bar ### diameter of holes ### thickness of connection bar ### diameter of holes ### thickness of connection bar ### diameter of holes ### thickness of connectable conductor cross-section for main contacts • stranded ### connectable conductor cross-section for auxiliary contacts • stranded ### connectable conductor cross-section for auxiliary contacts • sloid or stranded • finely stranded with core end processing • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for auxiliary contacts ### connectable conductor cross-sections ### connectable conductor cross-sections ### conn	Screw-type terminals Screw-type terminals Screw-type terminals 25 mm 6 mm 11 mm	
of rauxiliary and control circuit of magnet coil of magne	Screw-type terminals Screw-type terminals Screw-type terminals 25 mm 6 mm 11 mm	
• at contactor for auxiliary contacts • of magnet coil width of connection bar diameter of holes number of holes 11 mm number of holes 12 connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing variety of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing variety of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) • for auxiliary contacts - for	Screw-type terminals Screw-type terminals 25 mm 6 mm	
• at contactor for auxiliary contacts • of magnet coil width of connection bar diameter of holes number of holes 11 mm number of holes 12 connectable conductor cross-section for main contacts • stranded connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing variety of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing variety of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) • for auxiliary contacts - for	Screw-type terminals Screw-type terminals 25 mm 6 mm	
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diameter of holes number of holes connectable conductor cross-section for main contacts	11 mm	
diameter of holes number of holes connectable conductor cross-section for main contacts	11 mm	
number of holes connectable conductor cross-section for main contacts		
connectable conductor cross-section for main contacts		
stranded 70 240 mm² connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 alety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60529 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
e solid or stranded • finely stranded with core end processing • type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to IEC 60947-5-1 No 1000 000 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	70 240 mm²	
solid or stranded finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — solid or stranded — solid or stranded — solid or stranded — solid or stranded with core end processing — finely stranded with core end processing — finely stranded with core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947-5-1 No B10 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover 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), max. 2x (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - finely stranded with core end processing 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - a mm²) - finely stranded with core end processing - 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - a mm²)	V 240 Hilli	
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • 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 • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to IEC 60947-5-1 P10 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	0.5 4 mm²	
type of connectable conductor cross-sections • for auxiliary contacts — solid — solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) — solid or stranded — solid or stranded 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), max. 2x (0.75 4 mm²) — finely stranded with core end processing 2x (0.5 1,5 mm²), 2x (0.75 2,5 mm²), max. 2x (0.75 4 mm²) • for AWG cables for auxiliary contacts 2x (20 16), 2x (18 14), 1x 12 AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 Yes • positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to SN 31920 1 000 000 T1 value for proof test interval or service life according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
 for auxiliary contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing — for AWG cables for auxiliary contacts — solid or stranded with core end processing — for AWG cables for auxiliary contacts — for auxiliary contacts — for auxiliary contacts — for auxiliary contacts — solid or stranded with core end processing — for AWG cables for auxiliary contacts — solid or stranded with core end processing — for AWG cables for auxiliary contacts — solid or stranded with core end processing — for AWG cables for auxiliary contacts — solid or stranded with core end processing — solid or stranded with core end processing — finely stranded with core end processing — solid or stranded with core in the solid or stranded with core in the solid or stranded with core in th	J.S 2.3 IIIIIF	
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- finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (20 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 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 Though protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
• for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts • for auxiliary con		
AWG number as coded connectable conductor cross section • for auxiliary contacts 18 14 afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover		
section	2x (20 16), 2x (18 14), 1x 12	
● for auxiliary contacts afety related data product function ● mirror contact according to IEC 60947-4-1 ● positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 No		
product function	18 14	
product function	IU 14	
 mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 No B10 value with high demand rate according to SN 31920 1 000 000 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover 		
● positively driven operation according to IEC 60947-5-1 B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover	4	
B10 value with high demand rate according to SN 31920 1 000 000 T1 value for proof test interval or service life according to IEC 61508 20 a protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
T1 value for proof test interval or service life according to IEC 61508 20 a protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
protection class IP on the front according to IEC 60529 IP00; IP20 with box terminal/cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover		
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with box terminal/cover	20 a	
	P00; IP20 with box terminal/cover	
ertificates/ approvals	inger-safe, for vertical contact from the front with box terminal/cover	
General Product Approval	2 1	





Confirmation





Functional
Safety/Safety of Machinery

Declaration of Conformity
Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

<u>KC</u>

Special Test Certificate

Marine / Shipping other











Confirmation

other Railway

Miscellaneous Confirmation Miscellaneous Vibration and Shock Special Test Certificate

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1066-6PF35

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1066-6PF35

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6PF35

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

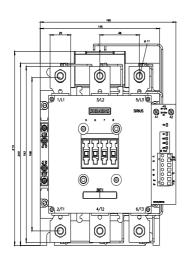
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1066-6PF35&lang=en

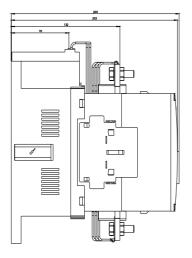
Characteristic: Tripping characteristics, I²t, Let-through current

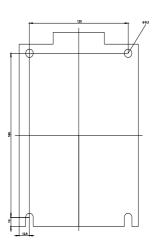
https://support.industry.siemens.com/cs/ww/en/ps/3RT1066-6PF35/char

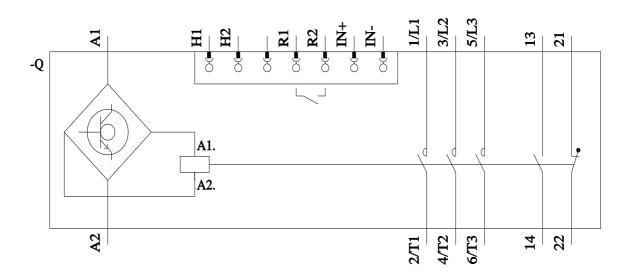
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1066-6PF35&objecttype=14&gridview=view1









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