SIEMENS

Data sheet 3RT1015-1AP01



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NO, 230 V AC, 50/60 Hz 3-pole, Size S00 Screw terminal !!! Phased-out product !!! Successor is SIRIUS 3RT2 Preferred successor type is >>3RT2015-1AP01<<

Figure similar

product brand name	SIRIUS	
product designation	power contactor	
General technical data		
size of contactor	S00	
degree of pollution	3	
protection class IP		
on the front	IP20	
of the terminal	IP20	
mechanical service life (operating cycles)		
 of contactor typical 	30 000 000	
 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)	07/01/2006	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-25 +60 °C	
Main circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	
number of NC contacts for main contacts	0	
operational current		
 at AC-1 at 400 V at ambient temperature 40 °C 	18 A	
rated value		
• at AC-1		
 up to 690 V at ambient temperature 40 °C rated value 	18 A	
 up to 690 V at ambient temperature 60 °C rated value 	16 A	
• at AC-3		
— at 400 V rated value	7 A	
 at AC-4 at 400 V rated value 	6.5 A	
operating power		
• at AC-1		
— at 400 V rated value	11 kW	
 at AC-2 at 400 V rated value 	3 kW	
• at AC-3		
— at 400 V rated value	3 kW	

at 500 V rated value	(500)/ ()	0.51111
Control supply voltage at AC * at 50 Hz racied value * at 50 Hz racied value * 230 V * at 50 Hz racied value * 2 racied value * 3 racied value * 4 racied value * 3 racied value * 4 racied value * 4 racied value * 4 racied value * 4 racied value * 50 Hz * 50 H	— at 500 V rated value	3.5 kW
type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value • at 60 Hz voltage frequency • i rated value • at 60 Hz • at		4 KVV
control supply voltage at AC • at 60 Hz Trated value • 2 rated value control supply voltage frequency • 1 rated value control supply voltage frequency • 1 rated value control supply voltage frequency • 1 rated value coparating range factor control supply voltage rated value of magnet coil at AC • at 60 Hz spaparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power factor with the holding power of the coil apparent holding power factor with the holding power of the coil apparent of NC contacts for auxiliary contacts instantaneous contact unwher of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 240 V rated value • at 250 V rated value • at 220 V rated value • at 240 V rated value • at 250 V rated value		
• at 50 Hz rated value		AC
e 16 Hz rated value 20 V control supply voltage frequency 1 rated value 2 rated value 9 2 rate value 9 2 rated		0001/
control supply voltage frequency • 1 rated value • 2 rated value • 2 rated value • 36 Ptz • 36 Ptz • 36 Ptz • 37 Ptz • 37 Ptz • 38 Ptz •		
1 rated value 2 rated value 2 rated value 92 rated value 92 rated value operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz at 60 Hz apparent pick-up power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the co		230 V
• 2 rated value operating range factor control supply voltage rated value of magnet coll at AC • at 50 Hz • at 60 Hz • apparent pick-up power of magnet coll at AC inductive power factor with closing power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the at AU AV Advance 1 0.27 1 0.27 1 0.27 1 0.37 1 0.4 4 1230 V rated value 2 1 0.5 3 1 10 0.4 4 1230 V rated value 3 2 0.5 4 12 0.7 rated value 3 3 2 0.7 rated value 3 3 2 0.7 rated value 3 4 10 V rated value 4 10 V rated value 3 4 12 V rated value 4 12 0.7 rat		FO.11-
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz apparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil on gaparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnet coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of magnetic coil at AC inductive power factor with the holding power of the coil opparent holding power of the data and power of the coil opparent holding power of the coil		
value of magnet coll at AC at 50 Hz at 60 Hz apparent plok-up power of magnet coll at AC inductive power factor with closing power of the coll apparent plok-up power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power of magnet coll at AC inductive power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the coll apparent holding power factor with the holding power of the power factor with the holding power factor with the hold		00 HZ
a till 50 Hz al 60 Hz al 60 Hz apparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil available of the		
apparent pick-up power of magnet coil at AC inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil apparent holding power of the coil apparent holding power of the coil and the coil apparent holding power of the coil and the coil apparent holding power of the coil and the coil apparent holding power of the coil and the coi		0.8 1.1
Inductive power factor with closing power of the coil apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil inductive power factor with a 4.4 VA A 4.4 VA O 4.4 VA O A A 4.4 VA O A A 4.9 Vater device pow	● at 60 Hz	0.85 1.1
apparent holding power of magnet coil at AC inductive power factor with the holding power of the coil inductive power factor with the holding power of the coil instantaneous contact instantaneous contact instantaneous contact poperational current at AC-15 maximum of NC contacts for auxiliary contacts instantaneous contact poperational current at AC-15 maximum operational current at DC-12 maximum operational current at DC-12 maximum operational current at DC-12 maximum operational current at DC-13 maximum operational current	apparent pick-up power of magnet coil at AC	27 VA
inductive power factor with the holding power of the coll Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact unber of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 20 V rated value • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation mounting/ dimensions fasteling method Screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting helph width depth 72 mm required spacing for grounded parts at the side Connections/ Torminals type of connectable conductor cross-sections • for main connectals - solid — solid or stranded — solid or stranded — finely stranded with core end processing - at AWC acables for main contacts 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		0.8
Auxillary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 220 V rated value • at 110 V rated value operational current at DC-13 • at 24 V rated value • at 110 V rated value • at 120 V rated value • at 220 V rated value • at		4.4 VA
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 110 V rated value • at 110 V rated value • at 60 V rated value • at 110 V rated val	inductive power factor with the holding power of the	0.27
number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 110 V rated value • at 110 V rated value • at 2110 V rated value • at 24 V rated value operational current at DC-13 • at 24 V rated value • at 110 V rated value • at 120 V rated value • at 120 V rated value • at 120 V rated value • at 20 V rated value • for short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary switch required fuse gL/gG: 20 A fuse gL/gG: 20 A fuse gL/gG: 10 A fuse gL/gG: 20 A fuse gL/gG: 20 A fuse gL/gG: 10 A fuse gL/gG: 20	coil	
instantaneous contact number of NO contacts or auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 60 V rated value • at 120 V rated value • at 10 V rated value • at 220 V rated value • at 10 V rated value • at 60 V rated value • at 10 V rated value • at 20 V rated value • at 10 V rated value • at 20 V r	Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • at 20 V rated value • at 20 V rated value • at 10 V rated value • at 20 V rated value • at 20 V rated value • at 20 V rated value • at 10 V rated value • at 20		0
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value		4
operational current at AC-12 maximum operational current at AC-15		
operational current at AC-15 at 230 V rated value at 400 V rated value 3 A operational current at DC-12 at 60 V rated value at 100 V rated value 3 A at 220 V rated value 3 A at 220 V rated value 4 to 0 V rated value 5 at 60 V rated value 5 at 60 V rated value 6 A 3 A 5 at 220 V rated value 7 at 60 V rated value 8 at 60 V rated value 9 at 100 V rated value 1 A 5 at 220 V rated value 1 A 5 at 24 V rated value 1 A 5 at 24 V rated value 1 A 5 at 24 V rated value 1 A 5 at 25 V rated value 1 A 5 at 26 V rated value 1 A 5 at 26 V rated value 1 A 5 at 26 V rated value 1 A 5 at 27 V rated value 1 A 5 at 28 V rated value 1 A 5 at 29 V rated value 1 A 5 at 28 V rated value 1 A 5 at 29 V rated value 1 A 5 at 20 V rated value 1 A 5 at 20 V rated		10 A
at 230 V rated value at 400 V rated value at 1400 V rated value at 150 V rated value at 250 V rated value at 250 V rated value at 250 V rated value at 260 V rated value at 260 V rated value at 270	·	
operational current at DC-12 • at 60 V rated value • at 110 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 220 V rated value • or short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • fuse gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 10 A fuse gL/gG: 10 A screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts • at AWG cables for main contacts • at AWG cables for main contacts - at AWG cables for main contacts	•	6 A
at 80 V rated value at 110 V rated value at 220 V rated value poperational current at DC-13 at 224 V rated value at 20 V rat	• at 400 V rated value	3 A
at 110 V rated value at 220 V rated value at 110 V rated value	operational current at DC-12	
• at 220 V rated value operational current at DC-13 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 20 V rated value • at 220 V rated value • at 220 V rated value • at 110 V rated value • at 220 V rated value • on 3 A contact reliability of auxiliary contacts Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting yes height stype of electrical connection • for main current circuit screw-type terminals type of connectable conductor cross-sections • for main contacts - solid - solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2 x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)	at 60 V rated value	6 A
operational current at DC-13 • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 22 V rated value • at 220 V rated value • ontact reliability of auxiliary contacts Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required short protection of the auxiliary switch required short protection of the success of the o	 at 110 V rated value 	3 A
at 24 V rated value at 60 V rated value at 110 V rated value at 220 V rated value 3.3 A contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required solong in the fuse gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 10 A screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 side-by-side mounting height width function for grounded parts at the side Connections/ Terminals type of electrical connection for main current circuit for nain current circuit for main current circuit for main contacts screw-type terminals type of connectable conductor cross-sections for main contacts finely stranded with core end processing at AWG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 2x (20 16), 2x (18 14), 1x 12	 at 220 V rated value 	1 A
 at 60 V rated value at 110 V rated value at 220 V rated value contact reliability of auxiliary contacts I faulty switching per 100 million (17 V, 1 mA) Short-circuit protection design of the fuse link for short-circuit protection of the main circuit — with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required side-by-side mounting / dimensions fastening method side-by-side mounting yes height 57.5 mm width 45 mm 72 mm required spacing for grounded parts at the side connections/ Terminals type of electrical connection for main current circuit of or main contacts screw-type terminals type of connectable conductor cross-sections for main contacts solid — solid — solid or stranded — finely stranded with core end processing at AWG cables for main contacts 2 A (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) 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) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) 	operational current at DC-13	
 at 110 V rated value at 220 V rated value 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required store gL/gG: 35 A fuse gL/gG: 20 A fuse gL/gG: 10 A Installation/ mounting/ dimensions screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 side-by-side mounting screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes height 45 mm depth required spacing for grounded parts at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit for main current circuit for main contacts screw-type terminals type of connectable conductor cross-sections for main contacts solid — solid or stranded — finely stranded with core end processing at AWG cables for main contacts 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) 	 at 24 V rated value 	10 A
at 220 V rated value contact reliability of auxiliary contacts Short-circuit protection design of the fuse link	at 60 V rated value	2 A
contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch fuse gL/gG: 20 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A **Total Auxiliary Summer of the set of th	 at 110 V rated value 	1 A
Short-circuit protection	at 220 V rated value	
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • side-by-side mounting height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2x (20 16), 2x (18 14), 1x 12	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
• for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • side-by-side mounting • some wand snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes • mm • some wand snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes • mm • for main current circuit screw-type terminals • for main current circuit screw-type terminals • for auxiliary and control circuit screw-type terminals • for main contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 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)	Short-circuit protection	
- with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew-system and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew-system and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew-system and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting • sorew-system and snap-on mounting onto 35 mm DIN rail accordi	•	
- with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method • screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting height vidth depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts fuse gL/gG: 20 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 20 A fuse gL/gG: 20 A fuse gL/gG: 10 A fuse gL/gC: 10 A		
• for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions fastening method • screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 • side-by-side mounting height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts fisce gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A fuse gL/gG: 10 A screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes height 57.5 mm 72 erminals 5crew-type terminals 5crew-type terminals 5crew-type terminals 7crew-type terminals 9crew-type termin		
Installation/ mounting/ dimensions fastening method • side-by-side mounting height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes 6 mm 6 mm Connections/ Terminals 57.5 mm 6 mm conmetions/ Terminals 57.5 mm 6 mm 57.2 mm 6 mm 57.5 mm 6 mm 57.5 mm 72 mm 6 mm 58.7 cm 6 mm 58.7 cm 79.7 cm 70.7 cm 79.7		
Installation/ mounting/ dimensions fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection of or main current circuit for auxiliary and control circuit for main contacts - solid - solid - solid or stranded - finely stranded with core end processing otion at AWG cables for main contacts screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes 6 mm 45 mm 6 mm 6 mm Connections/ Terminals screw-type terminals screw-type terminals screw-type terminals 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) 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)		fuse gL/gG: 10 A
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection of or main current circuit for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections of or main contacts - solid - solid or stranded - finely stranded with core end processing of at AWG cables for main contacts screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes Screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 Yes 57.5 mm 45 mm 72 mm 6 mm Connections/ Terminals screw-type terminals screw-type terminals 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) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	·	
• side-by-side mounting height width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts 50022 Yes Yes 57.5 mm 45 mm 45 mm 6 mm Connections/ Terminals 6 mm Connections/ Terminals 5crew-type terminals screw-type terminals 5crew-type terminals 5cre		person and area on mounties and OF area DIM 11
 side-by-side mounting height width depth required spacing for grounded parts at the side 6 mm Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit for main contacts sorew-type terminals type of connectable conductor cross-sections for main contacts solid solid or stranded finely stranded with core end processing at AWG cables for main contacts 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) 	rastening metnod	
height width 45 mm depth 72 mm required spacing for grounded parts at the side 6 mm Connections/ Terminals type of electrical connection • for main current circuit screw-type terminals type of connectable conductor cross-sections • for main contacts - solid 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) - 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 • at AWG cables for main contacts 2x (20 16), 2x (18 14), 1x 12	• side-by-side mounting	
width depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection		
depth required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 72 mm 6 mm 6 mm Screw-type terminals screw-type terminals 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) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	_	
required spacing for grounded parts at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts - solid - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts 6 mm Screw-type terminals screw-type terminals 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), ax (0.75 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts **Connections** **Screw-type terminals **Screw	•	6 mm
type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts — solid — solid or stranded — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts 2 screw-type terminals screw-type terminals 2 crew-type terminals		
 for main current circuit for auxiliary and control circuit screw-type terminals type of connectable conductor cross-sections for main contacts solid solid solid or stranded finely stranded with core end processing at AWG cables for main contacts screw-type terminals 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 auxiliary and control circuit type of connectable conductor cross-sections for main contacts — solid — solid or stranded — finely stranded with core end processing at AWG cables for main contacts screw-type terminals 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) 		screw-type terminals
type of connectable conductor cross-sections	 for auxiliary and control circuit 	•
 for main contacts — solid — solid or stranded — finely stranded with core end processing at AWG cables for main contacts 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) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12 		
 — solid or stranded — finely stranded with core end processing ■ at AWG cables for main contacts 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) 2x (20 16), 2x (18 14), 1x 12 		
 — finely stranded with core end processing at AWG cables for main contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12 	— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
• at AWG cables for main contacts 2x (20 16), 2x (18 14), 1x 12	— 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)
type of connectable conductor cross-sections		2x (20 16), 2x (18 14), 1x 12
	type of connectable conductor cross-sections	

- for auxiliary contacts
 - solid
 - finely stranded with core end processing
- at AWG cables for auxiliary contacts

 $2x\ (0.5\ ...\ 1.5\ mm^2),\ 2x\ (0.75\ ...\ 2.5\ mm^2),\ max.\ 2x\ (0.75\ ...\ 4\ mm^2)$

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/ approvals

General Product Approval

EMC



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping

other

<u>Confirmation</u> <u>Miscel</u>

Miscellaneous Confirmation

<u>Miscellaneous</u>

Special Test Certificate

Railway



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=3RT1015-1AP01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1015-1AP01

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1015-1AP01

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

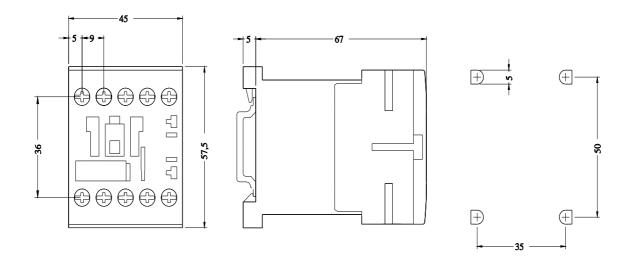
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1015-1AP01&lang=en

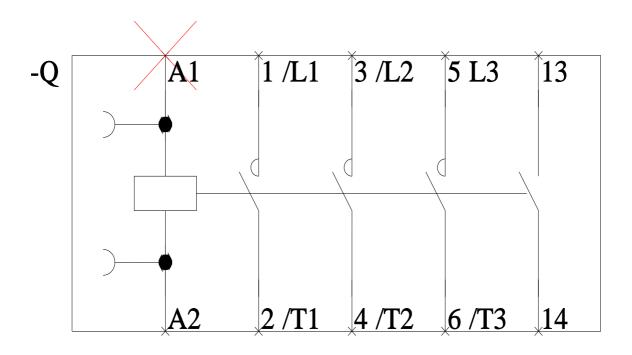
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1015-1AP01/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1015-1AP01&objecttype=14&gridview=view1





last modified: 11/21/2022 🖸