SIEMENS

Data sheet

3RT1054-1AP36



CONTACTOR, 55KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 220...240V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 WITH BOX TERMINALS CONVENTIONAL OPERATING MECHAN. SCREW TERMINAL

product brand name	SIRIUS
Product designation	power contactor
General technical data:	
Size of contactor	S6
Insulation voltage	-
Rated value	1 000 V
Degree of pollution	3
Surge voltage resistance Rated value	8 kV
Mechanical service life (switching cycles)	_
 of the contactor typical 	10 000 000
 of the contactor with added electronics- compatible auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
Protection class IP	_
• on the front	IP00
• of the terminal	IP00
Equipment marking	-
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q
Ambient conditions:	
Installation altitude at height above sea level	2 000 m
maximum	
Ambient temperature	
 during operation 	-25 +60 °C

• during storage	-55 +80 °C
Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Connectable conductor cross-section in main circuit at AC-1	
• at 60 °C minimum permissible	50 mm ²
• at 40 °C minimum permissible	70 mm ²
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C Rated value	160 A
• at AC-1 up to 690 V	
— at ambient temperature 40 °C Rated value	160 A
— at ambient temperature 60 °C Rated value	140 A
• at AC-3	
— at 400 V Rated value	115 A
— at 690 V Rated value	115 A
 at AC-4 at 400 V Rated value 	97 A
Operating current for ≥ 200000 operating cycles at AC-4	
• at 400 V Rated value	54 A
• at 690 V Rated value	48 A
Operating current	
 with 1 current path at DC-1 	
— at 24 V Rated value	160 A
— at 110 V Rated value	18 A
 with 2 current paths in series at DC-1 	
— at 24 V Rated value	160 A
— at 110 V Rated value	160 A
 with 3 current paths in series at DC-1 	
— at 24 V Rated value	160 A
— at 110 V Rated value	160 A
Operating current	
 with 1 current path at DC-3 at DC-5 	
— at 24 V Rated value	160 A
— at 110 V Rated value	2.5 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 110 V Rated value	160 A
— at 24 V Rated value	160 A
 with 3 current paths in series at DC-3 at DC-5 	

— at 110 V Rated value	160 A
— at 24 V Rated value	160 A
Operating power	
● at AC-1	
— at 230 V at 60 °C Rated value	53 kW
— at 690 V at 60 °C Rated value	159 kW
Operating power for \geq 200000 operating cycles at	
AC-4	
• at 400 V Rated value	29 kW
• at 690 V Rated value	48 kW
Thermal short-time current restricted to 10 s	1 100 A
Active power loss at AC-3 at 400 V for rated value of	7 W
the operating current per conductor	
No-load switching frequency	
• with AC	2 000 1/h
• for DC	2 000 1/h
Operating frequency	
● at AC-1 maximum	800 1/h
● at AC-2 maximum	400 1/h
● at AC-3 maximum	1 000 1/h
● at AC-4 maximum	130 1/h
Control circuit/ Control:	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage with AC	
• at 50 Hz Rated value	220 240 V
• at 60 Hz Rated value	220 240 V
Control supply voltage for DC	
Rated value	220 240 V
 Rated value 	40 Hz
Control supply voltage frequency 2 Rated value	60 Hz
Operating range factor control supply voltage rated	
value of the magnet coil with AC	
• at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1

Operating range factor control supply voltage rated value of the magnet coil for DC	0.8 1.1
Design of the surge suppressor	with varistor
Apparent pick-up power of the magnet coil with AC	300 V·A
Inductive power factor with closing power of the coil	0.9
Apparent holding power of the magnet coil with AC	5.8 V·A
Inductive power factor with the holding power of the coil	0.8
Closing power of the magnet coil for DC	360 W

Closing delay 2095 ms • for DC 2095 ms Arcing time 1015 ms Auxiliary circuit:	Holding power of the magnet call for DC	5.2 W
• with AC20 95 ms• for DC20 95 msArcing time10 15 ms• values• values• values• values• for auxiliary contacts2• instantaneous contact2• for auxiliary contacts2• instantaneous contact2• for auxiliary contacts2- instantaneous contact2• instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-15•• at 230 V Rated value6 A• at 430 V Rated value6 A• at 430 V Rated value3 AOperating current at DC-12•• at 60 V Rated value1 AOperating current at DC-13•• at 230 V Rated value1 A• at 230 V Rated value1 A• at 200 V Rated value3 A• at 200 V Rated value3 A• at 200 V Rated value1 A• at 200 V Rated value3 A• at 200 V Rated value1 A• at 200 V Rated value3 A• at 200 V Rated value1 A• at 200 V Rated value1 A• at 200 V Rated value1 A• or short-circuit protection of the man circuit - with type of assignment 1 required if fuse gL/GS: 355 A• for short-circuit protection of the auxiliary sorted - with type of assignment 1 required• fuse gL/GS: 315 A• for short-circuit protection of the auxiliary sorted - with type of assignment 1 required• fuse gL/GS: 315 A•	Holding power of the magnet coil for DC	J.Z VV
• for DC20 95 msArcing time10 15 msAuxilary circuitNumber of NC contacts2• for auxilary contacts2- instantaneous contact2• for auxilary contacts10 AOperating current at AC-12 maximum10 AOperating current at AC-13		20 05 mg
Arcing time 1015 ms Auxiliary contacts - • for auxiliary contacts 2 • Instantaneous contact 2 Number of NC contacts - - instantaneous contact 2 Number of NC contacts - - instantaneous contact 2 Operating current at AC-12 maximum 10 A Operating current at AC-15 - • at 200 V Rated value 6 A • at 200 V Rated value 3A Operating current at AC-15 - • at 60 V Rated value 10 A • at 220 V Rated value 10 A • at 220 V Rated value 10 A • at 220 V Rated value 2A • at 20 V Rated value 2A • at 20 V Rated value 2A • at 20 V Rated value 10 A • at 20 V Rated value 10 A • at 210 V Rated value 10 A • at 220 V Rated value 10 A • at 220 V Rated value 10 A • at 10 V Rated value 10 A • at 220 V Rated value <td></td> <td></td>		
Number of NC contacts 2 Number of NC contacts 2 - instantaneous contact 2 Number of NC contacts 2 - instantaneous contact 2 Operating current at AC-12 maximum 10 A Operating current at AC-15 6 A - at 200 V Rated value 3 A Operating current at DC-12		
Number of NC contacts ior auxiliary contacts instantaneous contact instantaneous contact 2 Number of NO contacts instantaneous contact ior auxiliary contacts instantaneous contact 2 Operating current at AC-12 maximum 10 A Operating current at AC-15 at 20 V Rated value 6 A at 400 V Rated value 6 A at 60 V Rated value 6 A at 10 V Rated value 6 A at 10 V Rated value 6 A at 20 V Rated value 6 A at 20 V Rated value 6 A at 20 V Rated value 10 A Operating current at DC-12 at 60 V Rated value 10 A at 210 V Rated value 10 A at 220 V Rated value 10 A at 220 V Rated value 10 A at 220 V Rated value 10 A at 20 V Rated value 10 A at 20 V Rated value 10 A at 20 V Rated value 10 A <	Arcing time	10 15 ms
• for auxiliary contacts2Number of NO contacts2• for auxiliary contacts2• for auxiliary contacts2- instantaneous contact2Operating current at AC-1510 A• at 230 V Rated value6 A• at 300 V Rated value6 A• at 400 V Rated value3 A• at 200 V Rated value6 A• at 100 V Rated value6 A• at 200 V Rated value1 A• at 200 V Rated value1 A• at 200 V Rated value10 A• at 200 V Rated value1 A	Auxiliary circuit:	
	Number of NC contacts	
Number of NO contacts - • for auxiliary contacts 2 • instantaneous contact 2 Operating current at AC-12 maximum 10 A Operating current at AC-15 6 • at 200 V Rated value 3A Operating current at DC-12 6 • at 200 V Rated value 3A Operating current at DC-12 6 • at 200 V Rated value 10 A Operating current at DC-12 6 • at 200 V Rated value 10 A Operating current at DC-13 7 • at 20 V Rated value 10 A • at 20 V Rated value 10 A • at 20 V Rated value 0 A • at 20 V Rated value 10 A • at 20 V Rated value 0 A • at 20 V Rated value 10 A • at 20 V Rated value 0 A • at 20 V Rated value 10 A • at 20 V Rated value 0 A • at 20 V Rated value 10 A • bor short-circuit protection of the main circuit fuse gL/gG: 355 A • for short-circuit protection of the auxiliar	 for auxiliary contacts 	
• for auxiliary contacts2Operating current at AC-12 maximum10 AOperating current at AC-156 A• at 230 V Rated value6 A• at 400 V Rated value6 A• at 400 V Rated value6 A• at 400 V Rated value10 A• at 60 V Rated value6 A• at 110 V Rated value1 A• at 220 V Rated value1 A• at 220 V Rated value1 A• at 24 V Rated value2 A• at 60 V Rated value3 A• at 220 V Rated value1 A• at 220 V Rated value3 A• at 220 V Rated value600 / Q600Short-circuitA600 / Q600Short-circuit protection of the main circuit - with type of assignment 1 requiredfuse gL/gG: 355 A• for short-circuit protection of the main circuit - with type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• bring typescrew fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	— instantaneous contact	2
- instantaneous contact2Operating current at AC-12 maximum10 AOperating current at AC-156 A• at 230 V Rated value6 A• at 400 V Rated value3 A• at 60 V Rated value6 A• at 100 V Rated value6 A• at 110 V Rated value6 A• at 220 V Rated value1 AOperating current at DC-13-• at 24 V Rated value10 A• at 20 V Rated value0.3 A• at 10 V Rated value0.3 A• at 220 V Rated value0.3 A• at 220 V Rated value1 A• at 220 V Rated value0.3 A• at 220 V Rated value1 A• bort-circuit protection of the main circuit - with type of assignment 1 requiredfuse gL/gG: 355 A• for short-circuit protection of the maxiliary switch requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• bort short-circuit protection of the auxiliary switch requiredYesHeight1 72 mmWidth Depth170 mm	Number of NO contacts	
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 3A Operating current at DC-12 - • at 60 V Rated value 6 A • at 100 V Rated value 6 A • at 200 V Rated value 1 A Operating current at DC-13 - • at 220 V Rated value 10 A • at 220 V Rated value 10 A • at 220 V Rated value 0.3 A • at 220 V Rated value 1.4 • at 220 V Rated value 0.3 A • at 220 V Rated value 1.4 • at 220 V Rated value 1.5 • or short-circuit protection of the main circuit - • or short-circuit protection of the auxiliary switch required fuse gL/gG: 355 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 315 A • for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A <td> for auxiliary contacts </td> <td></td>	 for auxiliary contacts 	
Operating current at AC-156 A• at 230 V Rated value6 A• at 400 V Rated value3 AOperating current at DC-126 A• at 60 V Rated value6 A• at 10 V Rated value3 A• at 220 V Rated value1 AOperating current at DC-1310 A• at 24 V Rated value10 A• at 24 V Rated value2 A• at 20 V Rated value1 A• at 20 V Rated value0.3 A• at 220 V Rated value0.3 A• at 220 V Rated value1 A• at 220 V Rated value0.3 A• at 220 V Rated value1 A• or 100 K To 100 K1 A• or 100 K To 200 K1 A• or 100 K To 200 K To 2	— instantaneous contact	2
• at 230 V Rated value6 A• at 400 V Rated value3 AOperating current at DC-126 A• at 60 V Rated value6 A• at 110 V Rated value3 A• at 220 V Rated value1 AOperating current at DC-130 A• at 24 V Rated value10 A• at 60 V Rated value2 A• at 60 V Rated value1 AOperating current at DC-130 A• at 24 V Rated value1 A• at 60 V Rated value2 A• at 110 V Rated value1 A• at 220 V Rated value0.3 A <i>UCSSA ratings:</i> A600 / Q600Short-circuitA600 / Q600Short-circuit protection of the main circuit - with type of assignment 1 requiredfuse gL/gG: 355 A• for short-circuit protection of the main circuit - with type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 315 A• fuse gL/gG: 315 Afuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredYesHelght172 mmWoutting type • Side-by-side mountingYesHelght120 mm	Operating current at AC-12 maximum	10 A
at 400 V Rated value 3 A Operating current at DC-12 6 A • at 60 V Rated value 6 A • at 110 V Rated value 3 A • at 220 V Rated value 1 A Operating current at DC-13 10 A • at 24 V Rated value 10 A • at 24 V Rated value 2 A • at 100 V Rated value 1 A Operating current at DC-13 10 A • at 24 V Rated value 2 A • at 10 V Rated value 1 A • at 20 V Rated value 0.3 A JL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: A600 / Q600 Short-circuit: - with type of assignment 1 required fuse gL/gG: 355 A • for short-circuit protection of the main circuit - with type of assignment 2 required fuse gL/gG: 10 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A fuse gL/gG: 10 A required Side-by-side mounting Yes Height 172 mm Tz mm Width 120 mm 120 mm	Operating current at AC-15	
Autor Note Nate Autor Nate operating current at DC-12 6 A • at 60 V Rated value 3 A • at 210 V Rated value 1 A Operating current at DC-13 1 A • at 22 V Rated value 10 A • at 24 V Rated value 2 A • at 10 V Rated value 1 A Operating current at DC-13 2 A • at 24 V Rated value 1 A • at 20 V Rated value 1 A • at 20 V Rated value 0.3 A JL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: Posign of the fuse link • for short-circuit protection of the main circuit fuse gL/gG: 355 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 355 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A required Yes Mounting type screw fixing • Side-by-side mounting Yes Height 120 mm Width 120 mm	• at 230 V Rated value	6 A
• at 60 V Rated value6 A• at 110 V Rated value3 A• at 220 V Rated value1 AOperating current at DC-1310 A• at 24 V Rated value10 A• at 60 V Rated value2 A• at 110 V Rated value1 A• at 220 V Rated value0.3 AJL/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:Design of the fuse link• for short-circuit protection of the main circuit- with type of assignment 1 required• for short-circuit protection of the auxiliary switch• for short-circuit protection of the auxiliary switch	• at 400 V Rated value	3 A
at 110 V Rated value3 A• at 120 V Rated value1 AOperating current at DC-1310 A• at 24 V Rated value10 A• at 60 V Rated value2 A• at 110 V Rated value1 A• at 220 V Rated value0.3 A• at 220 V Rated value0.3 A <i>U/CSA ratings:</i> Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuitDesign of the fuse link• for short-circuit protection of the main circuit- with type of assignment 1 required- with type of assignment 2 required• for short-circuit protection of the auxiliary switch required• for short-circuit protection of the auxiliary	Operating current at DC-12	
at 220 V Rated value 1 A Operating current at DC-13 10 A • at 24 V Rated value 10 A • at 40 V Rated value 2 A • at 60 V Rated value 1 A • at 110 V Rated value 1 A • at 220 V Rated value 0.3 A JL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: Design of the fuse link 4600 / Q600 • for short-circuit protection of the main circuit - with type of assignment 1 required • for short-circuit protection of the main circuit - with type of assignment 1 required • for short-circuit protection of the auxiliary switch fuse gL/gG: 355 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 315 A • for short-circuit protection of the auxiliary switch fuse gL/gG: 10 A required Screw fixing • Side-by-side mounting Yes Height 172 mm Width 120 mm Depth 170 mm	• at 60 V Rated value	6 A
Operating current at DC-13 at 24 V Rated value at 24 V Rated value at 60 V Rated value at 110 V Rated value at 220 V Rated value at 220 V Rated value 1 A at 220 V Rated value 0.3 A ///CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: Design of the fuse link for short-circuit protection of the main circuit with type of assignment 1 required fuse gL/gG: 355 A for short-circuit protection of the auxiliary switch required fuse gL/gG: 315 A for short-circuit protection of the auxiliary switch required screw fixing Side-by-side mounting Yes Height 172 mm Width 120 mm Depth 170 mm 	• at 110 V Rated value	3 A
• at 24 V Rated value10 A• at 60 V Rated value2 A• at 110 V Rated value1 A• at 220 V Rated value0.3 AJJ/CSA ratings:A600 / Q600Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:	• at 220 V Rated value	1 A
a till V Rated value2 A• at 60 V Rated value1 A• at 110 V Rated value1 A• at 220 V Rated value0.3 AU/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:Design of the fuse link• for short-circuit protection of the main circuit- with type of assignment 1 requiredfuse gL/gG: 355 A• for short-circuit protection of the auxiliary switchfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switchfuse gL/gG: 10 Aestallation/ mounting/ dimensions:Mounting typescrew fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	Operating current at DC-13	
at 10 V Rated value1 A• at 110 V Rated value0.3 A• at 220 V Rated value0.3 AJJ/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 requiredfuse gL/gG: 355 A• mith type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• stallation/ mounting/ dimensions:screw fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	• at 24 V Rated value	10 A
• at 220 V Rated value0.3 AJJ/CSA ratings:Contact rating of the auxiliary contacts acc. to ULA600 / Q600Short-circuit:Design of the fuse link • for short-circuit protection of the main circuit — with type of assignment 1 required • with type of assignment 2 required • for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 355 A fuse gL/gG: 315 A fuse gL/gG: 315 ANounting type • Side-by-side mountingScrew fixing YesHeight Width Depth172 mm 170 mm	• at 60 V Rated value	2 A
JL/CSA ratings: Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit: Design of the fuse link for short-circuit protection of the main circuit with type of assignment 1 required fuse gL/gG: 355 A fuse gL/gG: 315 A for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required fuse gL/gG: 10 A nstallation/ mounting/ dimensions: Mounting type screw fixing Side-by-side mounting Yes Height 172 mm Width 120 mm Depth 170 mm	• at 110 V Rated value	1 A
Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit:	• at 220 V Rated value	0.3 A
Contact rating of the auxiliary contacts acc. to UL A600 / Q600 Short-circuit:		
Short-circuit: Design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 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 • 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 • 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 • Side-by-side mounting • Side-by-side mounting • Side-by-side mounting • Side-by-side mounting <th></th> <th>A600 / Q600</th>		A600 / Q600
Design of the fuse linkIsse gL/gG: 355 A• for short-circuit protection of the main circuitfuse gL/gG: 355 A— with type of assignment 1 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• fuse gL/gG: 10 Afuse gL/gG: 10 A• fuse gL/gG: 10 AYes• Side-by-side mountingYes• Side-by-side mounting172 mm• Width120 mm• Depth170 mm		
• for short-circuit protection of the main circuit — with type of assignment 1 requiredfuse gL/gG: 355 A- with type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 A• fuse gL/gG: 10 Afuse gL/gG: 10 A• fuse gL/gG: 10 AYes• fuse gL/gG: 10 A172 mm• Side-by-side mounting120 mm• fuse gL/gG: 10 A170 mm	Short-circuit:	
with type of assignment 1 requiredfuse gL/gG: 355 A with type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Anstallation/ mounting/ dimensions:Mounting typescrew fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	•	
with type of assignment 2 requiredfuse gL/gG: 315 A• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Anstallation/ mounting/ dimensions:Mounting typescrew fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	 for short-circuit protection of the main circuit 	
• for short-circuit protection of the auxiliary switch requiredfuse gL/gG: 10 Anstallation/ mounting/ dimensions:Mounting type • Side-by-side mountingscrew fixingHeight172 mmWidth120 mmDepth170 mm	 — with type of assignment 1 required 	fuse gL/gG: 355 A
required screw fixing screw fixing Yes fixing 172 mm 172 mm 172 mm 172 mm 170 m	 — with type of assignment 2 required 	
nstallation/ mounting/ dimensions: Mounting type screw fixing • Side-by-side mounting / Yes Height 172 mm Width 120 mm Depth 170 mm		fuse gL/gG: 10 A
Mounting typescrew fixing• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	required	
• Side-by-side mountingYesHeight172 mmWidth120 mmDepth170 mm	Installation/ mounting/ dimensions:	
Height 172 mm Width 120 mm Depth 170 mm	Mounting type	screw fixing
Width 120 mm Depth 170 mm	 Side-by-side mounting 	Yes
Depth 170 mm	Height	172 mm
	Width	120 mm
Required spacing	Depth	170 mm
	Required spacing	

 for grounded parts — at the side 	10 mm		
— at the side	10 mm		
Connections/ Terminals:			
Type of electrical connection			
• for main current circuit	screw-type terminals		
 for auxiliary and control current circuit 	screw-type terminals		
Type of connectable conductor cross-section			
• for main contacts			
— stranded	max. 2x 70 mm ²		
 finely stranded with core end processing 	max. 1x 50, 1x 70 mm ²		
— finely stranded without core end	max. 1x 50, 1x 70 mm ²		
processing			
 for AWG conductors for main contacts 	2x 1/0		
Type of connectable conductor cross-section			
 for auxiliary contacts 			
— solid	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)	
 for AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14	4), 1x 12	
Certificates/ approvals:			
General Product Approval		Functional	Declaration of
		Safety/Safety	Conformity
		of Machinery	
		Type Examination	
(\mathbf{CC}) (SP (UL)	LHI		(–
	LIIL		EG-Konf.

Test Certificates		Shipping App	proval		
<u>Type Test</u> Certificates/Test <u>Report</u>	Special Test Certificate	ALCAN BITT	ĴÅ DNV	GL®	
		ABS	DNV	GL	RMRS

other			
Confirmation	Environmental Confirmations	other	

Further information

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

http://www.siemens.com/industrial-controls/catalogs

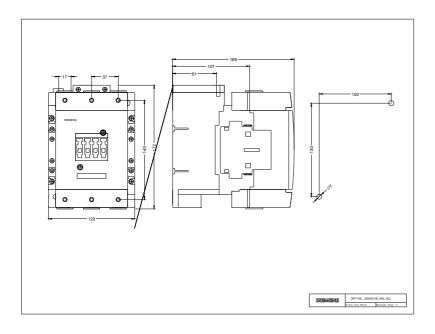
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAX order/default.aspx?lang=en&mlfb=3RT10541AP36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT10541AP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10541AP36&lang=en





last modified:

3RT106.-.A..6_01_4_IEC.DXF 3RT107.-.A..6_01_4_IEC.DXF

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