# **SIEMENS**

Data sheet 3RT1035-1AP60



CONTACTOR, AC-3 18,5 KW/400 V, AC 220V 50HZ/240V 60HZ 3-POLE, SIZE S2, SCREW CONNECTION

Figure similar

product brand name	SIRIUS
Product designation	power contactor

S2
690 V
3
6 kV
10 000 000
5 000 000
10 000 000
IP00
IP00
Q
Q

Ambient conditions:	
Installation altitude at height above sea level	2 000 m
maximum	
Ambient temperature	
<ul><li>during operation</li></ul>	-25 +60 °C

during storage	-55 +80 °C

lain 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	16 mm <sup>2</sup>
at 40 °C minimum permissible	16 mm <sup>2</sup>
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C Rated value	60 A
● at AC-1 up to 690 V	
— at ambient temperature 40 °C Rated value	60 A
— at ambient temperature 60 °C Rated value	55 A
• at AC-3	
— at 400 V Rated value	40 A
— at 690 V Rated value	24 A
● at AC-4 at 400 V Rated value	35 A
Operating current for ≥ 200000 operating cycles at AC-4	
● at 400 V Rated value	18.5 A
at 690 V Rated value	12.6 A
Operating current	
• with 1 current path at DC-1	
— at 24 V Rated value	55 A
— at 110 V Rated value	4.5 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V Rated value	55 A
— at 110 V Rated value	25 A
• with 3 current paths in series at DC-1	
— at 24 V Rated value	55 A
— at 110 V Rated value	55 A
Operating current	
• with 1 current path at DC-3 at DC-5	
— at 24 V Rated value	35 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	25 A
— at 24 V Rated value	55 A
— at 24 v Nateu value	

55 A
55 A
22 kW
66 kW
OO KVV
9.5 kW
11.4 kW
400 A
2.6 W
5 000 1/h
1 200 1/h
600 1/h
1 000 1/h
300 1/h
AC
220 V
240 V
50 Hz
60 Hz
0.8 1.1
0.8 1.1
166 V·A
0.71
12.6 V·A
0.37
10 24 ms
10 24 ms 10 15 ms

• for auxiliary contacts

Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
● at 220 V Rated value	0.3 A
● at 110 V Rated value	1 A
• at 60 V Rated value	2 A
at 24 V Rated value	10 A
Operating current at DC-13	
• at 220 V Rated value	1 A
• at 110 V Rated value	3 A
• at 60 V Rated value	6 A
Operating current at DC-12	
• at 400 V Rated value	3 A
• at 230 V Rated value	6 A
Operating current at AC-15	
Operating current at AC-12 maximum	10 A
— instantaneous contact	0
for auxiliary contacts	
Number of NO contacts	
<ul> <li>instantaneous contact</li> </ul>	0

#### UL/CSA ratings:

Contact rating of the auxiliary contacts acc. to UL A600 / Q600

#### Design of the fuse link

• for short-circuit protection of the main circuit

fuse gL/gG: 125 A - with type of assignment 1 required fuse gL/gG: 63 A — with type of assignment 2 required fuse gL/gG: 10 A

• for short-circuit protection of the auxiliary switch

required

#### Installation/ mounting/ dimensions:

Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
	according to DIN EN 50022
Side-by-side mounting	Yes
Height	112 mm
Width	55 mm
Depth	115 mm
Required spacing	
• for grounded parts	
— at the side	6 mm

gpe of	electrical	connection
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screw-type terminals • for main current circuit • for auxiliary and control current circuit screw-type terminals

#### Type of connectable conductor cross-section

• for main contacts

2x (0.75 ... 16 mm²) - solid

2x (0.75 ... 25 mm²) - stranded

2x (0,75 ... 16 mm²) - single or multi-stranded

2x (0.75 ... 16 mm²) - finely stranded with core end processing

2x (0.75 ... 16 mm²) - finely stranded without core end processing

• for AWG conductors for main contacts 2x (18 ... 2)

#### Type of connectable conductor cross-section

• for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) - solid

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) - finely stranded with core end processing

2x (20 ... 16), 2x (18 ... 14), 1x 12 • for AWG conductors for auxiliary contacts

## Certificates/ approvals:

#### **General Product Approval Declaration of Functional Test** Safety/Safety Certificates Conformity of Machinery







Type Examination



**Special Test** Certificate

Test	
Certificates	

### **Shipping Approval**

Type Test Certificates/Test Report











### **Shipping Approval**

other



Confirmation

other

Environmental Confirmations

#### Further information

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

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

Industry Mall (Online ordering system)

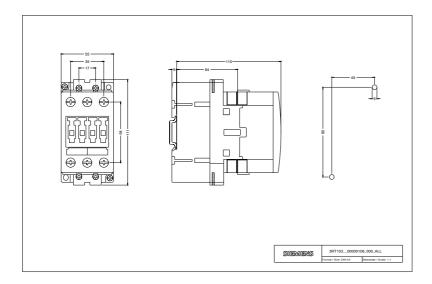
http://www.siemens.com/industrymall

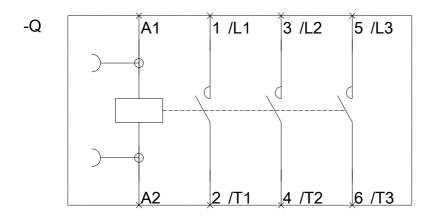
#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10351AP60

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RT10351AP60">https://support.industry.siemens.com/cs/ww/en/ps/3RT10351AP60</a>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT10351AP60&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT10351AP60&lang=en</a>





**last modified:** 02.06.2015