

Automation Technology > Industrial Controls > Switching Devices > Contactors and Contactor Assemblies > Power Contactors for Switching Motors > Contactors SIRIUS 3RT10, 3-pole, 3 ... 250 kW

3RT1036-1AC20 CONTACTOR, AC-3 22 KW/400 V,

Technical / CAx data

Technical Data CAx data



CONTACTOR, AC-3 22 KW/400 V, AC 24V 50/60HZ, 3-POLE, SIZE S2, SCREW CONNECTION

General technical data:

product brand name	SIRIUS
Size of the contactor	S2
Protection class IP / on the front	IP20
Degree of pollution	3
Installation altitude / at a height over sea level / maximum	m 2,000
Ambient temperature / during operating	°C -25...+60
Mechanical operating cycles as operating time	
• of the contactor / typical	10,000,000
• of the contactor with added auxiliary switch block / typical	10,000,000
• of the contactor with added electronics-compatible auxiliary switch block / typical	5,000,000

Main circuit:

Number of NC contacts / for main contacts	0
Number of NO contacts / for main contacts	3
Operating current	
• at AC-3 / at 400 V / rated value	A 50
• at AC-4 / at 400 V / rated value	A 41
• with 1 current path / at DC-1	
• at 24 V / rated value	A 55
• at 110 V / rated value	A 4.5
• with 2 current paths in series / at DC-1	
• at 24 V / rated value	A 55

• at 110 V / rated value	A	25
• with 3 current paths in series / at DC-1		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	55
• with 1 current path / at DC-3 / at DC-5		
• at 24 V / rated value	A	35
• at 110 V / rated value	A	2.5
• with 2 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	25
• with 3 current paths in series / at DC-3 / at DC-5		
• at 24 V / rated value	A	55
• at 110 V / rated value	A	55
Service power		
• at AC-2 / at 400 V / rated value	kW	22
• at AC-3 / at 400 V / rated value	kW	22
• at AC-4 / at 400 V / rated value	W	22,000
Control circuit:		
Voltage type / of control feed voltage		AC
Operating range factor control supply voltage rated value / of the magnet coil		
• at 50 Hz		
• for AC		0.8...1.1
• at 60 Hz		
• for AC		0.8...1.1
Apparent pull-in power / of the solenoid / for AC	V·A	170
Apparent holding power / of the solenoid / for AC	V·A	15
Inductive power factor / with the pull-in power of the coil		0.76
Inductive power factor / with the pull-in power of the coil		0.35
Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous switching		0
Number of NO contacts / for auxiliary contacts / instantaneous switching		0
Short-circuit:		
Design of the fuse link		
• for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 10 A
• for short-circuit protection of the main circuit		
• with type of assignment 1 / required		fuse gL/gG: 160 A
• at type of coordination 2 / required		fuse gL/gG: 80 A
Installation/mounting/dimensions:		
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
series installation		Yes
Width	mm	55

Height	mm	112
Depth	mm	115
Distance, to be maintained, to earthed part / sidewards	mm	6

Connection type:

Design of the electrical connection

- for main current circuit screw -type terminals
- for auxiliary and control current circuit screw -type terminals

Type of the connectable conductor cross-section

- for main contacts
 - solid 2x (0.75 ... 16 mm²)
 - stranded 2x (0.75 ... 25 mm²)
 - finely stranded
 - with conductor end processing 2x (0.75 ... 16 mm²)
 - without conductor final cutting 2x (0.75 ... 16 mm²)
- for AWG conductors / for main contacts 2x (18 ... 2)
- 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 conductor 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), 1x 12

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery



Type Examination

Declaration of Conformity

Test Certificates



Special Test Certificate

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/industrial-controls/mall>

Cax online generator:

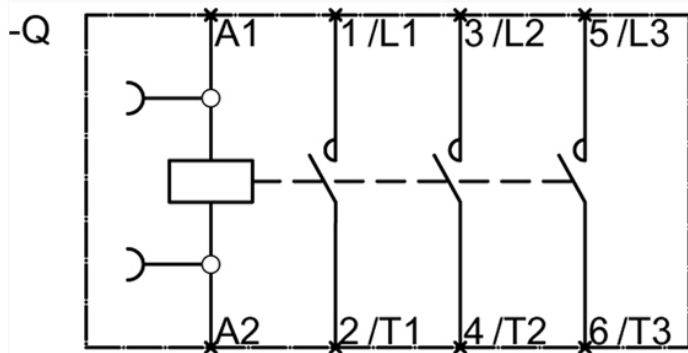
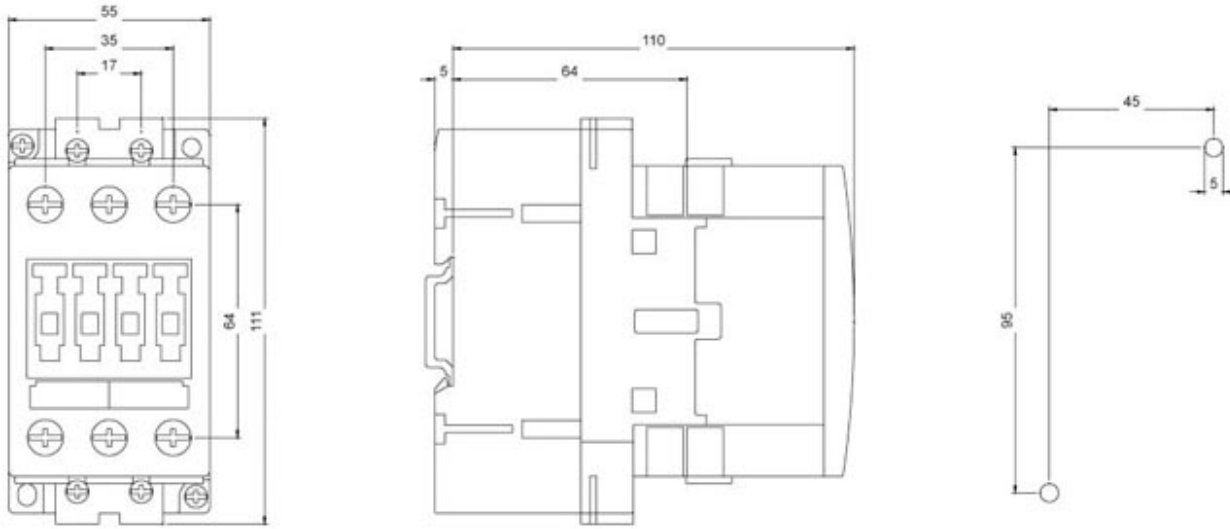
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WWW/view/en/3RT1036-1AC20/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3RT1036-1AC20



last change:

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