



OVERLOAD RELAY 10...40 A FOR MOTOR PROTECTION
 SIZE S0,
 CLASS 10 CONTACTOR ASS. MAIN CIRCUIT: SCREW
 CONN. AUX.CIRCUIT: SCREW CONN. MANUAL-AUTOM.-
 RESET

General technical data:		
product brand name		SIRIUS
product designation		solid-state overload relay
Size of overload relay		S0
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		Yes
Impulse voltage resistance / rated value	kV	6
Protection class IP / on the front		IP20
Protection against electrical shock		finger-safe
Installation altitude / at a height over sea level / maximum	m	2,000
Resistance against shock		15g / 11 ms
Ambient temperature		
• during transport	°C	-40 ... +80
• during storage	°C	-40 ... +80
• during operating	°C	-25 ... +60
Relative humidity		
• during operating phase	/ %	95
EMC immunity to interference		
• according to IEC 60947-1		corresponds to degree of severity 3

EMC emitted interference • according to IEC 60947-1		CISPR 11, environment B (residential area)
Electrostatic discharge • according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling • according to IEC 61000-4-3		10 V/m
Conductor-bound parasitic coupling BURST • according to IEC 61000-4-4		2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-earth SURGE • according to IEC 61000-4-5		2 kV (line to earth) corresponds to degree of severity 3
Conductor-bound parasitic coupling conductor-conductor SURGE • according to IEC 61000-4-5		1 kV (line to line) corresponds to degree of severity 3
type of protection		PTB 09 ATEX 3001 Ex II (2) GD
Active power loss / total / typical	W	0.2
Size of the contactor / can be combined / company-specific		S0

Main circuit:

Operating current / of the fuse link / rated value	A	50
Operational current / at AC-3 / at 400 V / rated value	A	40
Type of assignment		2

Auxiliary circuit:

Number of NC contacts / for auxiliary contacts		1
Number of NO contacts / for auxiliary contacts		1
Number of changeover contacts / for auxiliary contacts		0
Design of the fuse link / for short-circuit protection of the auxiliary switch / required		fuse gL/gG: 6 A
Operating current / of the auxiliary contacts • at AC-15 • at 24 V • at 110 V • at 120 V • at 125 V • at 230 V • at DC-13 • at 24 V • at 60 V • at 110 V • at 125 V	A A A A A A A A A A	4 4 4 4 3 2 1 0.3 0.3

- at 220 V

A	1
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Protection function:

Trip class

	CLASS 10
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Adjustable response current

- of the current-dependent overload release

A	10 ... 40
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Installation/mounting/dimensions:

Type of mounting

	direct mounting
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mounting position

	any
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Depth

mm	84
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Height

mm	87
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Width

mm	45
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Connections:

Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

	screw-type terminals
	screw-type terminals

Type of the connectable conductor cross-section

- for main contacts
 - solid
 - finely stranded
 - with conductor end processing
 - stranded
- for AWG conductors / for main contacts
- for auxiliary contacts
 - solid
 - finely stranded
 - with conductor end processing
- for AWG conductors / for auxiliary contacts

	1x (1 ... 10 mm ²), 2x (1 ... 10 mm ²)
	1x (1 ... 6 mm ²), 2 x (1 ... 6 mm ²), 1x 10 mm ²
	1x (1 ... 10 mm ²), 2x (1 ... 10 mm ²)
	1x (16 ... 8), 2x (16 ... 8)
	1x (0.5 ... 4 mm ²), 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²)
	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 1.5 mm ²), 1x (0.5 ... 2.5 mm ²)
	1x (20 ... 14), 2x (20 ... 14)

UL/CSA ratings:

Contact rating designation / for auxiliary contacts / according to UL

	B600 / R300
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Certificates/approvals:

General Product Approval	EMC	For use in hazardous locations
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CCC



CSA



GOST



UL



C-TICK



ATEX

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval

other



ABS



BUREAU VERITAS



GL



LRS



RMRS

[Declaration of Conformity](#)

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:

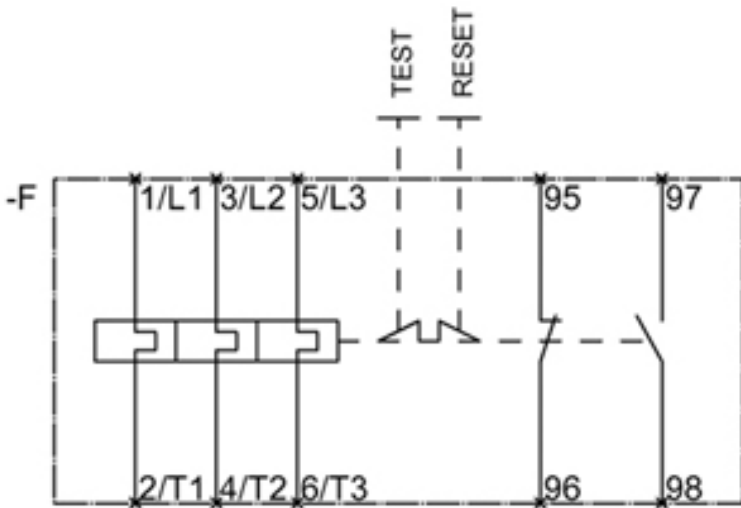
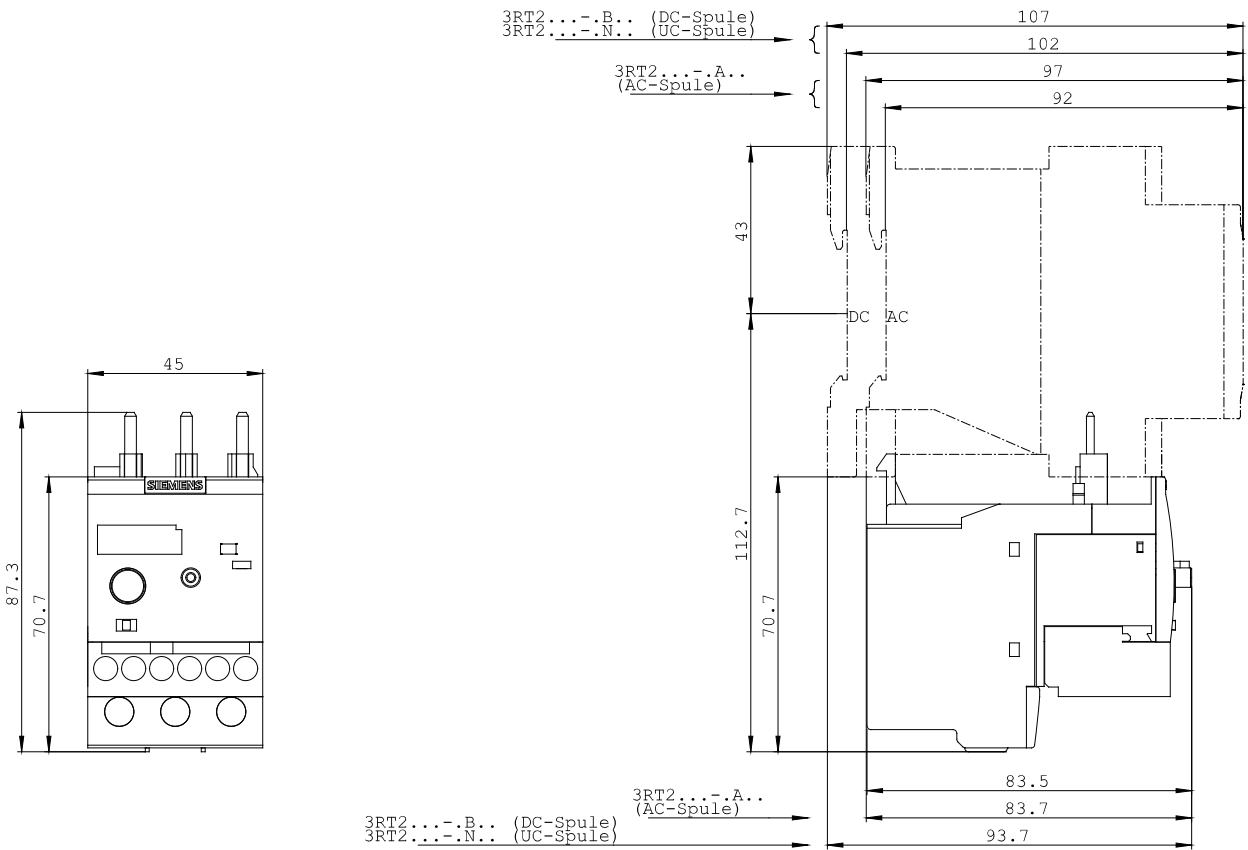
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RB3026-1VB0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB3026-1VB0



last change:

Jul 1, 2013