



3RU1116-0GB0 OVERLOAD RELAY, 0.45...0.63 A,

Technical / CAx data

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As of 2012-02-11



OVERLOAD RELAY 0.45...0.63 A FOR MOTOR
PROTECTION SIZE S00, CLASS 10 FOR CONTACTOR
MOUNTING MAIN CIRCUIT: SCREW CONN. AUX.
CIRCUIT: SCREW CONN. MANUAL-AUTOMATIC-RESET

General technical details:

product brand name	SIRIUS	
product designation	thermal overload relay	
Protection class IP / on the front	IP20	
Insulation voltage / with degree of pollution 3 / rated value	V	690
Installation altitude / at a height over sea level / maximum	m	2,000
Ambient temperature		
• during operating	°C	-20...+70
• during storage	°C	-55...+80
• during transport	°C	-55...+80
Relative humidity / during operating phase / maximum	%	100
Resistance against shock		8g / 10 ms
Impulse voltage resistance / rated value	kV	6
Active power loss / total / typical	W	6.6
Item designation		
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	F	
• according to DIN EN 61346-2	F	
Operating current / of the fuse link / rated value	A	2
Trip class		CLASS 10
Type of assignment		2
type of protection		DMT 98 ATEX G 001
Size of overload relay		S00
Size of the contactor / can be combined / company-specific		S00

Protection against electrical shock		finger-safe	
Main circuit:			
Number of poles / for main current circuit			3
Operating voltage / at AC-3 / rated value		V	690
● maximum		kW	0.18
Service power / at AC-3			
● at 400 V			
Adjustable response current		A	0.45...0.63
Auxiliary circuit:			
Contact reliability / of the auxiliary contacts			acceptability for PLC control (17 V, 5 mA)
Number of NC contacts			1
Number of NO contacts			1
Number of change-over switches			0
Operating current / of the auxiliary contacts / at AC-15			
● at 24 V		A	3
● at 110 V		A	3
● at 120 V		A	3
● at 125 V		A	3
● at 230 V		A	2
● at 400 V		A	1
Operating current / of the auxiliary contacts / at DC-13			
● at 24 V		A	1
● at 110 V		A	0.22
● at 125 V		A	0.22
● at 220 V		A	0.11
Short-circuit:			
Design of the fuse link / for short-circuit protection of the auxiliary switch / required			fuse gL/gG: 6 A, quick: 10 A
Installation/mounting/dimensions:			
Built in orientation			with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back
Type of mounting			direct mounting
Height			mm 87
Width			mm 45
Depth			mm 78
Distance, to be maintained, to the ranks assembly			
● upwards		mm	0
● downwards		mm	0
● forwards		mm	0
● backwards		mm	0
● sideways		mm	0
Distance, to be maintained, to earthed part			
● upwards		mm	0
● downwards		mm	0
● forwards		mm	0
● backwards		mm	0
● sideways		mm	6
Distance, to be maintained, conductive elements			
● upwards		mm	0
● downwards		mm	0
● forwards		mm	0
● backwards		mm	0

- sideways

mm 6

Connection type:

Product function

- removable terminal for auxiliary and control circuit

No

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

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

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

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

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

Conductor cross section that can be connected

- for main contacts
 - solid
 - stranded wire
 - with conductor end processing
- for auxiliary contact
 - solid
 - stranded wire
 - with conductor end processing

mm² 0.5...4

mm² 0.5...2.5

mm² 0.5...2.5

mm² 0.5...2.5

AWG number / as coded connectable conductor cross-section

- for main contacts / minimum
- for auxiliary contact

20

20...14

Certificates/approvals:

Verification of suitability

CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS

Yes

Varification of suitability / ATEX

General Product Approval



ROSTEST

Shipping Approval



Shipping Approval



other

Manufacturer

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

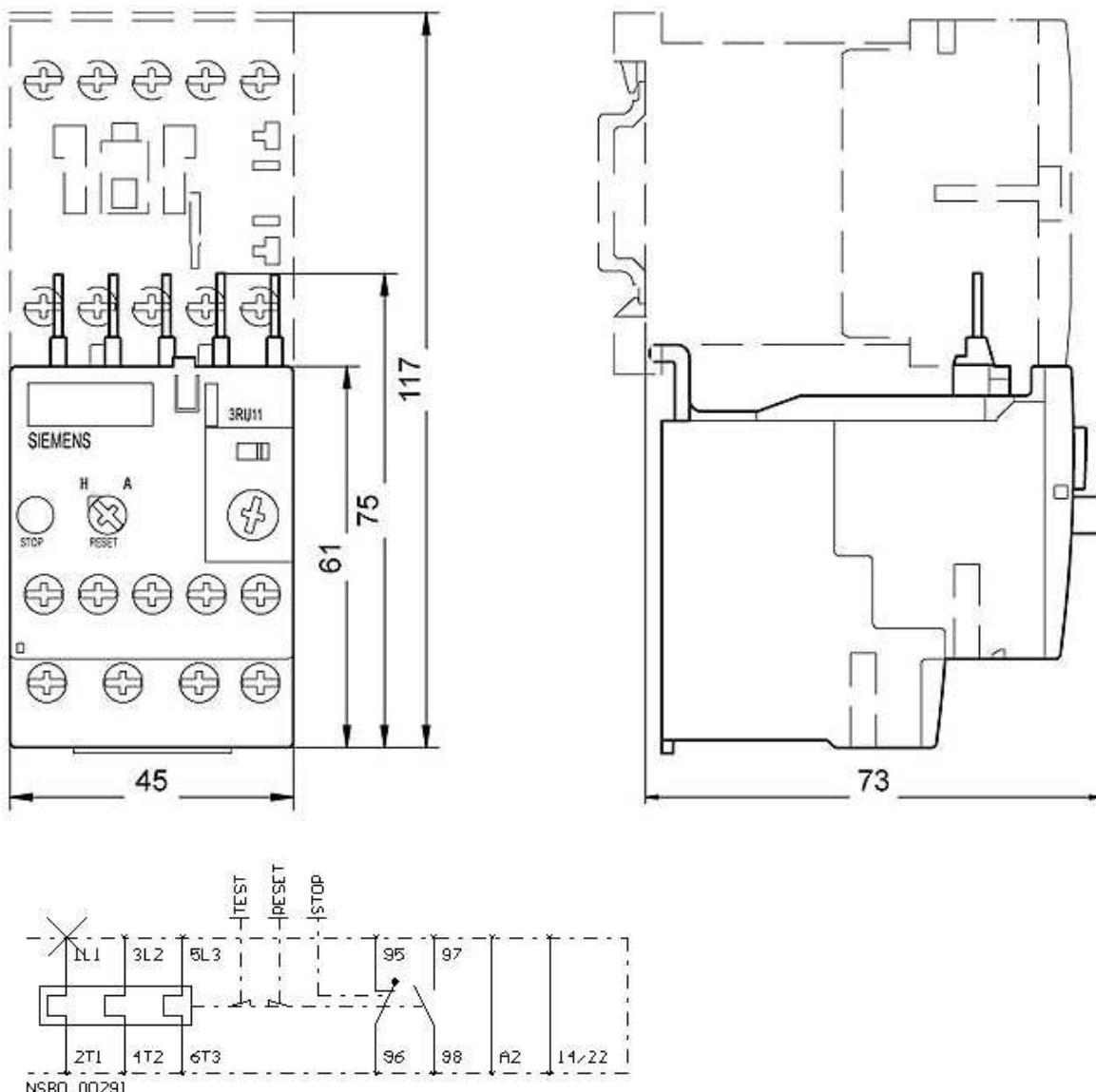
CAx-Online-Generator

http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RU1116-0GB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1116-0GB0



last change:

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