

3RU1116-0JB0 OVERLOAD RELAY, 0.7...1 A,

Technical / CAx data

☒ Technical Data ☐ CAx data

As of 2012-02-11

OVERLOAD RELAY, 0.7...1 A, 1NO+1NC, SIZE S00, CLASS 10, FOR CONTACTOR MOUNTING



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	4
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 maximum	V	690	
Service power / at AC-3 at 400 V	kW	0.25	
Adjustable response current of the current-dependent overload release	A	0.7...1	
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 - at 110 V - at 120 V - at 125 V - at 230 V - at 400 V	A	3	
	A	3	
	A	3	
	A	3	
	A	2	
	A	1	
Operating current / of the auxiliary contacts / at DC-13 - at 24 V - at 110 V - at 125 V - at 220 V	A	1	
	A	0.22	
	A	0.22	
	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 - downwards - forwards - backwards - sidewards	mm	0	
	mm	0	
	mm	0	
	mm	0	
	mm	0	
Distance, to be maintained, to earthed part - upwards - downwards - forwards - backwards - sidewards	mm	0	
	mm	0	
	mm	0	
	mm	0	
	mm	6	
Distance, to be maintained, conductive elements - upwards - downwards - forwards - backwards	mm	0	
	mm	0	
	mm	0	
	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 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 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	mm ² 0.5...4 mm ² 0.5...2.5 mm ² 0.5...2.5 mm ² 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
Varification of suitability / ATEX	Yes

General Product Approval

☒ CQC	☒ CSA	ROSTEST
---	---	---------

Shipping Approval

☒ ABS (American Bureau of Shipping)	☒ BV (Bureau Veritas)	☒ DNV (Det Norske Veritas)
---	---	--

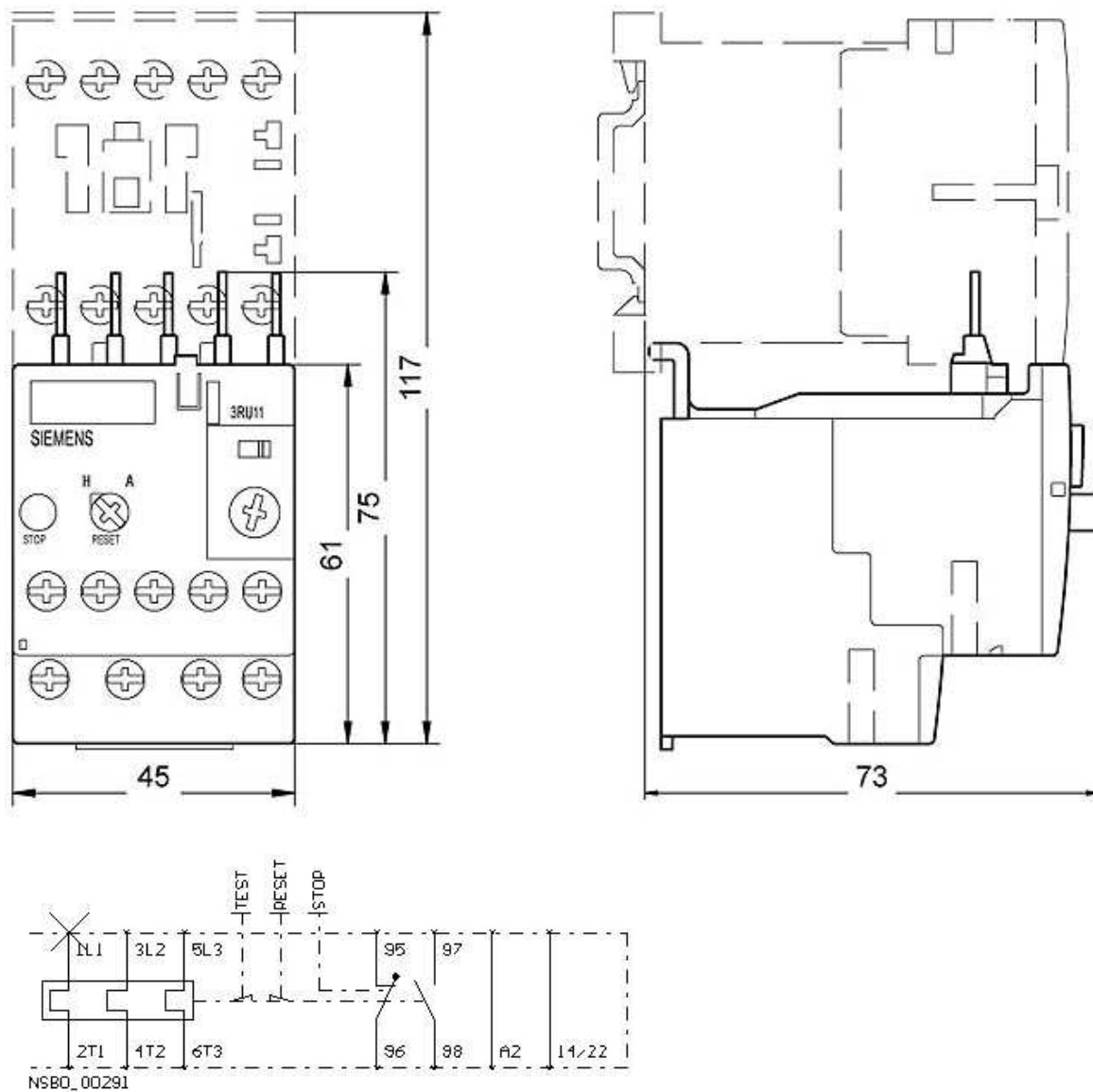
Shipping Approval

☒ RINA (Registro Italiano Navale)	☒ RMRS (Russian Maritime Register)	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/3RU1116-0JB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1116-0JB0



last change:

Feb 6, 2012