

3RU1126-4AB0 OVERLOAD RELAY,11...16 A,

Technical / CAx data

☒ Technical Data ☐ CAx data

As of 2012-03-24



OVERLOAD RELAY,11...16 A, 1NO+1NC, SIZE S0, 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
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	40
Trip class		CLASS 10
Type of assignment		2
type of protection		DMT 98 ATEX G 001
Size of overload relay		S0
Size of the contactor / can be combined / company-specific		S0

Protection against electrical shock	finger-safe
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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	7.5
Adjustable response current		
• of the current-dependent overload release	A	11...16

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	97
Width	mm	45
Depth	mm	96
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 <ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit 	No
Design of the electrical connection <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 	screw-type terminals screw-type terminals
Type of the connectable conductor cross-section <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for AWG conductors <ul style="list-style-type: none"> • for main contacts • for auxiliary contacts 	2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²) 2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm² 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (16 ... 12), 2x (14 ... 8) 2x (20 ... 16), 2x (18 ... 14)
Conductor cross section that can be connected <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • stranded wire <ul style="list-style-type: none"> • with conductor end processing • for auxiliary contact <ul style="list-style-type: none"> • solid • stranded wire <ul style="list-style-type: none"> • with conductor end processing 	mm² 1...10 mm² 1...10 mm² 0.5...2.5 mm² 0.5...2.5
AWG number / as coded connectable conductor cross-section <ul style="list-style-type: none"> • for main contacts / minimum • for auxiliary contact 	16 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	For use in hazardous locations	Test Certificate	
<input checked="" type="checkbox"/> CSA	ROSTEST	DEKRA EXAM, DMT	Manufacturer
Shipping Approval			
<input checked="" type="checkbox"/> ABS (American Bureau of Shipping)	<input checked="" type="checkbox"/> BV (Bureau Veritas)	<input checked="" type="checkbox"/> DNV (Det Norske Veritas)	<input checked="" type="checkbox"/> GL (Germ
Shipping Approval	other		
<input checked="" type="checkbox"/> RMRS (Russian Maritime Register)	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

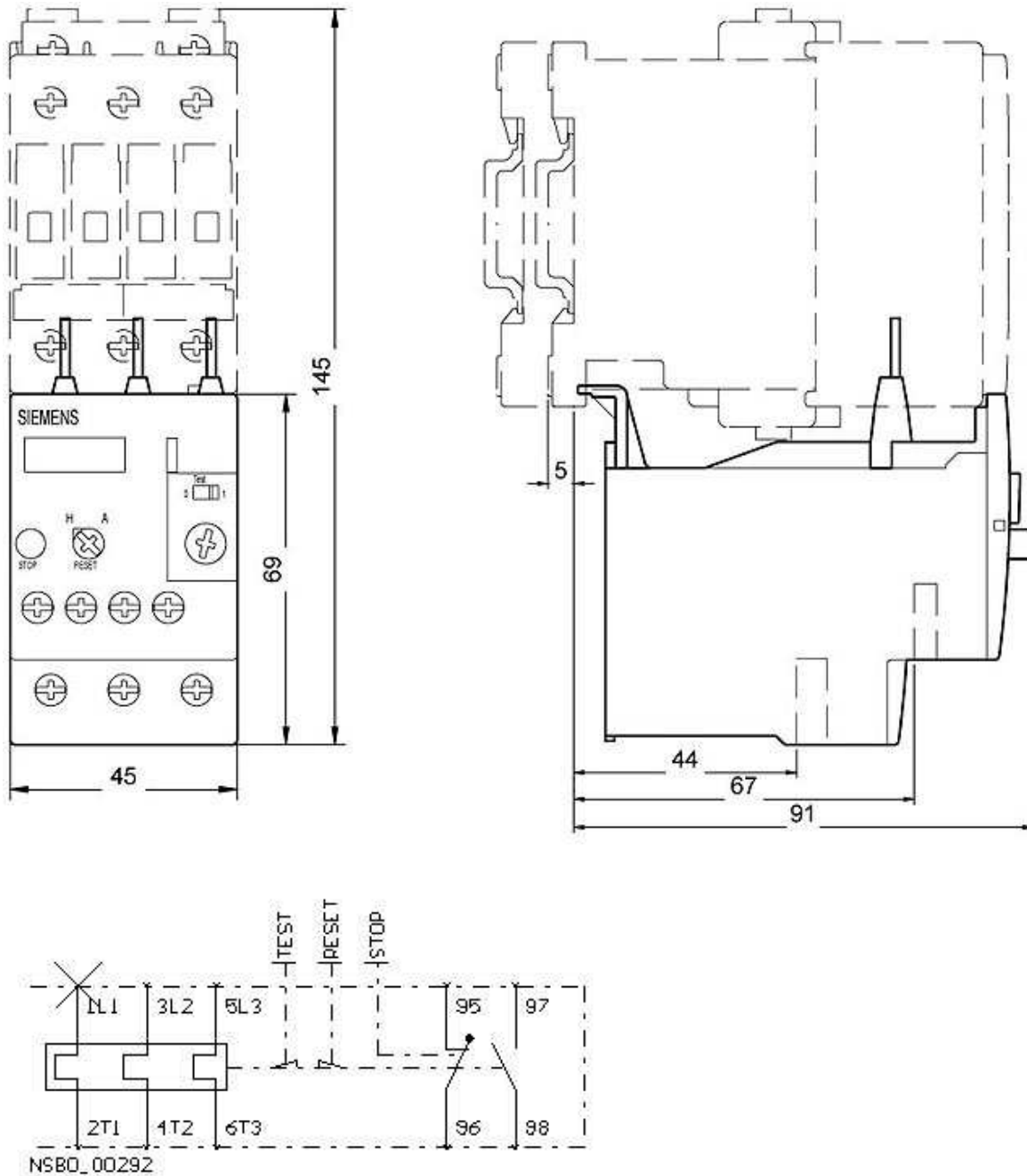
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RU1126-4AB0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1126-4AB0



last change:

Mar 12, 2012