

## **Product data sheet**

## 3RU1126-1JB0



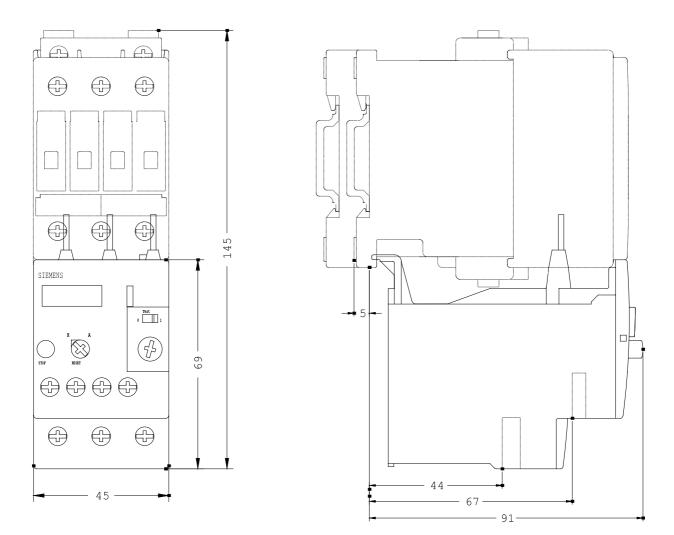
OVERLOAD RELAY, 7...10 A, 1NO+1NC, SIZE S0, CLASS 10, FOR CONTACTOR MOUNTING

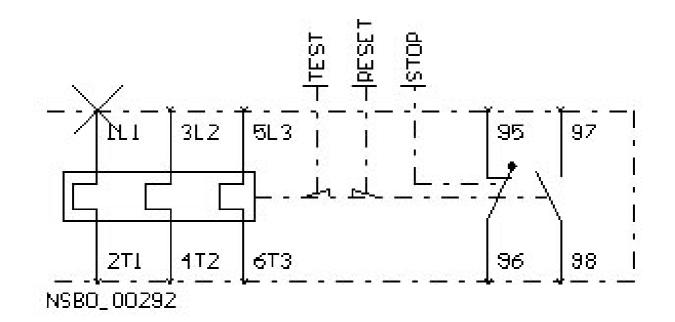
General technical details:				
Product brand name		SIRIUS		
Product designation		thermal overload relay		
Protection class IP / frontal/front side		IP20		
Insulation voltage / with degree of pollution 3 / rated value	V	690		
Altitude of installation site / at a height over sea level / maximum	m	2,000		
Ambient temperature				
<ul> <li>during the operating phase</li> </ul>	°C	-20 70		
during storage	°C	-55 80		
during transport	°C	-55 80		
Relative humidity / during the operating phase / maximum	%	100		
Resistance against shock		8g / 10 ms		
Impulse voltage resistance / rated value	kV	6		
Real loss power / total / typical	W	6		
Item designation	-			
<ul> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul>		F		
according to DIN EN 61346-2		F		
Operating current / of the fuse link / rated value	A	35		
Trip class		CLASS 10		

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Type of assignement		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
Main circuit:		
Number of poles / for main current circuit		3
Operating voltage / at 3 AC / rated value		
• maximum	V	690
Service power / at AC-3		
• at 400 V	kW	4
Adjustable response current		
• of the current-dependent overload release	А	7 10
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	А	3
• at 110 V	А	3
• at 120 V	А	3
• at 125 V	А	3
• at 230 V	А	2
• at 400 V	А	1
Operating current / of the auxiliary contacts / at DC-13		
• at 24 V	А	1
• at 110 V	А	0.22
• at 125 V	А	0.22
• at 220 V	А	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 fixing/fixation		direct mounting

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• backwardsmm0• sidewardsmm6distance, to be maintained, conductive elementsmm0• upwardsmm0• downwardsmm0• downwardsmm0• forwardsmm0• backwardsmm0• backwardsmm6• or more time of the electrical connectionNo• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals
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• sidewardsmm6Connection type:Product function • removable terminal for auxiliary and control circuitImage: Connection of the electrical connectionNodesign of the electrical connection • for main current circuitScrew-type terminals screw-type terminals
Connection type:         Product function <ul> <li>removable terminal for auxiliary and control circuit</li> <li>design of the electrical connection             <ul> <li>for main current circuit</li> <li>for auxiliary and control current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li></ul></li></ul>
Product function       Mo         • removable terminal for auxiliary and control circuit       No         design of the electrical connection       Screw-type terminals         • for main current circuit       screw-type terminals         • for auxiliary and control current circuit       screw-type terminals
• removable terminal for auxiliary and control circuitNodesign of the electrical connection• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals
design of the electrical connection     screw-type terminals       • for main current circuit     screw-type terminals       • for auxiliary and control current circuit     screw-type terminals
for main current circuit     for auxiliary and control current circuit
for auxiliary and control current circuit     screw-type terminals
Time of the compartable conductor encode action
Type of the connectable conductor cross-section
for main contacts
• unifilar 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)
• stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)
• stranded wire
• with conductor end processing 2x (1 2.5 mm2), 2x (2.5 6 mm2)
for auxiliary contacts
• solid 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)
• solid 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2)

at AWG-conductors				
for main contacts		2x (14 10)		
<ul> <li>for auxiliary contacts</li> </ul>		2x (18 14)		
Conductor cross section that can be connected				
for main contacts				
• unifilar	mm²	1 10		
stranded wire	mm²	1 10		
stranded wire				
<ul> <li>with conductor end processing</li> </ul>	mm²	1 6		
<ul> <li>for auxiliary contact</li> </ul>				
• unifilar	mm²	0.5 2.5		
stranded wire				
<ul> <li>with conductor end processing</li> </ul>	mm²	0.5 2.5		
<ul> <li>without conductor final cutting</li> </ul>	mm²	0.5 2.5		
AWG number / as coded connectable conductor cross-section				
for main contacts / minimum		14		
for auxiliary contact		18 14		
Certificates/approvals:				
verification of suitability		CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS		
varification of suitability / ATEX		Yes		
Further information:				
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs				
Global Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall				
Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RU1126-1JB0/all				
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1126-1JB0				





last change: