SIEMENS

Product data sheet 3RU1126-1JB0



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

General technical data:		
product brand name		SIRIUS
Product designation		thermal overload relay
Size of overload relay		S0
Number of poles / for main current circuit		3
Product function / removable terminal for auxiliary and control circuit		No
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		8g / 10 ms
Ambient temperature		
during transport	°C	-55 +80
during storage	°C	-55 +80
during operating	°C	-20 +70
Relative humidity / during operating phase / maximum	%	100
Type of protection		DMT 98 ATEX G 001
Active power loss / total / typical	W	6
Size of the contactor / can be combined / company-specific		S0

Operating current / of the fuse link / rated value A 35 Service power / at AC-3	Main circuit:				
- at 400 V RW 4	Operating current / of the fuse link / rated value	А	35		
Type of assignement Auxiliary circuit: Number of NC contacts / for auxiliary contacts Number of NC contacts / for auxiliary contacts Design of the fuse link / for short-circuit protection of the auxiliary switch / required Operating current / of the auxiliary contacts / at AC-15 - at 24 V - at 110 V - at 120 V - at 125 V - at 24 U - at 110 V - at 125 V - at 110 V - at 125 V - at 110 V - at 125 V - at 110 V - at 120 V - at 24 V - at 110 V - at 24 V - at 110 V - at 120 V - at 24 V - at 110 V - at 125 V - at 25 V - at 20 V - before contacts / at DC-13 - at 24 V - at 110 V - at 125 V - at 10 V - at 125 V - at 10 V - at 125 V - at 10 V - at 125 V - at	Service power / at AC-3				
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Obesign of the fuse link / for short-circuit protection of the auxiliary switch / required Operating current / of the auxiliary contacts / at AC-15 - at 24 V - at 120 V - at 120 V - at 125 V - at 24 V - at 125 V - at 24 V - at 125 V - at 22 V - at 125 V - at 22 V - at 125 V - at 22 V - at 100 V - A - at 125 V - at 22 V - at 100 V - A - at 110 V - at 125 V - at 22 V - at 125 V - at 22 V - at 110 V - at 110 V - at 10 V - at 110 V - at 110 V - at 110 V - at 110 V - at 125 V -	• at 400 V	kW	4		
Number of NC contacts / for auxiliary contacts Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Design of the fuse link / for short-circuit protection of the auxiliary switch / required Operating current / of the auxiliary contacts / at AC-15 - at 24 V - at 110 V - at 125 V - at 230 V - at 230 V - at 230 V - at 24 V - at 100 V Operating current / of the auxiliary contacts / at DC-13 - at 22 V - at 220 V Operating current / of the auxiliary contacts / at DC-13 - at 22 V - at 20 V - at 100 V Operating current / of the auxiliary contacts / at DC-13 - at 20 V - at 20 V - at 100 V Operating current / of the auxiliary contacts / at DC-13 - at 22 V - at 125 V - at 20 V - at 125 V - at 125 V - at 20 V - at 20 V - at 20 V Operating current / of the auxiliary contacts / at DC-13 - at 22 V - at 125 V - at 20 V Operating current / of the auxiliary contacts / at DC-13 - at 20 V Operating current / of the auxiliary contacts / at DC-13 - at 20 V Operating current / of the auxiliary contacts / at DC-13 - at 20 V A 0.22 - at 125 V - at 125 V - at 20 V Operating current / of the current-dependent overload release Octaos: Despin of the current-dependent overload release Operating type Outcome of the current-dependent overload release Operating type Outcome of the current-dependent overload release Operating type Or at 12 Cass 10 Operating type Operating type Or at 12 Cass 10 Operating type Operating t	Type of assignement		2		
Number of NO contacts / for auxiliary contacts Number of changeover contacts / for auxiliary contacts Design of the fuse link / for short-circuit protection of the auxiliary switch / required Operating current / of the auxiliary contacts / at AC-15 - at 24 V - at 110 V - at 125 V - at 125 V - at 230 V - at 400 V Operating current / of the auxiliary contacts / at DC-13 - at 125 V - at 125 V - at 125 V - at 125 V - at 120 V - at 125 V - at 120 V - at 120 V - at 400 V Operating current / of the auxiliary contacts / at DC-13 - at 22 V - at 125 V - at 220 V A 1 - at 110 V - at 110 V - at 125 V -	Auxiliary circuit:				
Number of changeover contacts / for auxillary contacts Design of the fuse link / for short-circuit protection of the auxiliary switch / required	Number of NC contacts / for auxiliary contacts		1		
Design of the fuse link / for short-circuit protection of the auxiliary switch / required 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 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 Protection function: Trip class CLASS 10 Adjustable response current - of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	Number of NO contacts / for auxiliary contacts		1		
A	Number of changeover contacts / for auxiliary contacts		0		
• 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 Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting mounting position With vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 95 Connections:			fuse gL/gG: 6 A, quick: 10 A		
• at 110 ∨ A 3 • at 120 ∨ A 3 • at 125 ∨ A 2 • at 230 ∨ A 1 • at 400 ∨ A 1 Operating current/ of the auxiliary contacts / at DC-13 • at 24 ∨ A 1 • at 110 ∨ A 0.22 • at 220 ∨ A 0.11 Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting mounting position with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections:	Operating current / of the auxiliary contacts / at AC-15				
• at 120 V A 3 • at 125 V A 2 • at 230 V A 1 • 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 Protection function: CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting mounting position with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections:	• at 24 V	А	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 Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Connections (connection) Installation (connection)	• at 110 V	Α	3		
• at 230 V • at 400 V Operating current / of the auxiliary contacts / at DC-13 • at 24 V • at 110 V • at 110 V • at 125 V • at 220 V A O.22 • at 220 V Octoor function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A A T 10 Installation/mounting/dimensions: Mounting type mounting position with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back Depth Height mm 96 Height mm 97 Width mm 95 Connections: Connections:	• at 120 V	Α	3		
• 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 Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Connections:	• at 125 V	Α	3		
Operating current / of the auxiliary contacts / at DC-13 • at 24 V • at 110 V • at 125 V • at 220 V • at 220 V A 0.11 Protection function: Trip class Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type Mounting type Mounting position mounting position mm 96 Height mm 97 Width mm 45 Connections: Connections:	• at 230 V	Α	2		
* at 24 V * at 110 V * at 125 V * at 220 V * at 220 V Protection function: Trip class A	• at 400 V	Α	1		
• at 110 V • at 125 V • at 220 V Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type mounting position with vertical mounting surface +/- 45° tiltable to the front and back Depth Height mm 96 Height mm 97 Width Connections: Design of the electrical connection	Operating current / of the auxiliary contacts / at DC-13				
• at 125 V • at 220 V Protection function: Trip class Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type mounting position with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back Depth Height mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	• at 24 V	Α	1		
Protection function: Trip class CLASS 10 Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type direct mounting mounting position with vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Connections:	• at 110 V	Α	0.22		
Protection function: Trip class Adjustable response current • of the current-dependent overload release Mounting type Mounting position The position of the current dependent overload release Mounting type Mounting position Mith vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth Mounting position Mith vertical mounting surface +/- 45° tiltable to the front and back Mounting position Mounting position Mith vertical mounting surface +/- 45° tiltable to the front and back Mounting position Mounting position Mounting type Mith vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Mounting position Mounting position Mounting type Mith vertical mounting surface +/- 45° tiltable to the front and back Mounting position Mounting position Mith vertical mounting surface +/- 45° tiltable to the front and back Depth Mounting position Mounting position Mounting position Mounting type Mounting type Mounting position Mounting positi	• at 125 V	Α	0.22		
Trip class Adjustable response current of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type mounting position with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	• at 220 V	Α	0.11		
Adjustable response current • of the current-dependent overload release A 7 10 Installation/mounting/dimensions: Mounting type mounting position with vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	Protection function:				
• of the current-dependent overload release Installation/mounting/dimensions: Mounting type mounting position mounting position mm pepth mm pertoad and back Depth mm pertoad and back mm pertoad and back Connections: Design of the electrical connection A 7 10 True 10 Tr	Trip class		CLASS 10		
Installation/mounting/dimensions: Mounting type direct mounting with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections:	Adjustable response current				
Mounting type mounting position with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	of the current-dependent overload release	Α	7 10		
mounting position with vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection	Installation/mounting/dimensions:				
Depth mm 96 Height mm 97 Width mm 45 Connections: Design of the electrical connection Vertical mounting surface +/- 45° tiltable to the front and back mm 96 mm 97 Width mm 45	Mounting type		direct mounting		
Height mm 97 Width mm 45 Connections: Design of the electrical connection	mounting position		vertical mounting surface +/- 45° tiltable to the front		
Width mm 45 Connections: Design of the electrical connection	Depth	mm	96		
Connections: Design of the electrical connection	Height	mm	97		
Design of the electrical connection	Width	mm	45		
	Connections:				
• for main current circuit screw-type terminals	Design of the electrical connection				
	for main current circuit		screw-type terminals		

for auxiliary and control current circuit	screw-type terminals
Type of the connectable conductor cross-section	
• for main contacts	
• solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
• finely stranded	
 with conductor end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
• for AWG conductors / for main contacts	2x (16 12), 2x (14 8)
for auxiliary contacts	
• solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• finely stranded	
 with conductor end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for AWG conductors / for auxiliary contacts	2x (20 16), 2x (18 14)

Certificates/approvals:

General Product Approval

For use in hazardous locations

Declaration of Conformity













Test Certificates

Special Test Certificate Type Test
Certificates/Test
Report

Shipping Approval













Shipping Approval





other

Environmental Confirmations

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

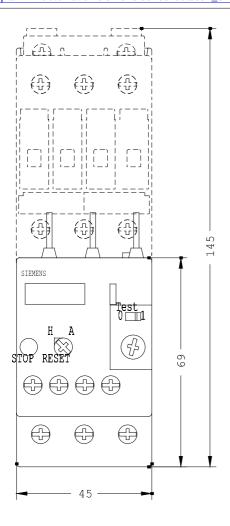
 $\underline{\text{http://www.siemens.com/industrial-controls/mall}}$

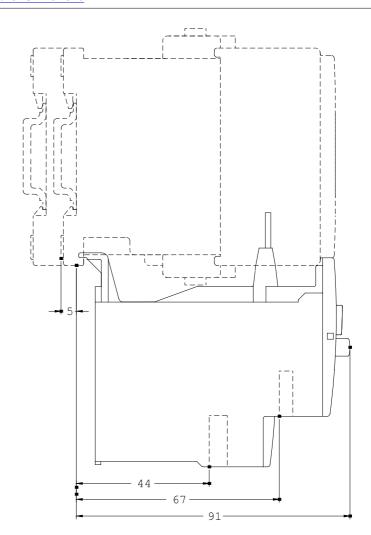
Cax online generator:

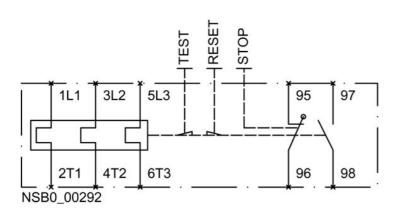
http://www.siemens.com/cax

${\bf Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)}$

http://support.automation.siemens.com/WW/view/en/3RU1126-1JB0/all







last change: Mar 17, 2014