SIEMENS

Product data sheet

THERM. OVERLOAD RELAY 11 - 16 A

General technical data:		
Product brand name		SIRIUS
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		
during transport	°C	-55 80
during storage	°C	-55 80
during the operating phase	°C	-40 70
Relative humidity		
during the operating phase	/ %	90
Resistance against shock		8g / 10 ms
Impulse voltage resistance / rated value	kV	6
Real loss power / total / typical	W	3.9
Item designation		
 according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 		F
according to DIN EN 61346-2		F
Trip class		CLASS 10
Type of assignement		2
Size of overload relay		S0
Size of the contactor / can be combined		
• company-specific		S0
Main circuit:		
Number of poles / for main current circuit		3
Operating voltage / at 3 AC / rated value		
• maximum	V	690
Operating current / at AC-3 / at 400 V		
rated value	А	16
Service power / at AC-3		
• at 400 V / rated value	kW	7.5

• at 500 V / rated value	kW	7.5
• at 690 V / rated value	W	11,000
Adjustable response current		
 of the current-dependent overload release 	А	11 16
Operating current / of the fuse link / rated value	А	40

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		< 1 error per 100 million operating cycles
Number of NC contacts / for auxiliary contact		1
Number of NO contacts / for auxiliary contact		1
Number of change-over switches / for auxiliary contact		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
• 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 fuse gG: 10 A auxiliary switch / required

Installation/mounting/dimensions:		
built in orientation		vertical
Type of fixing/fixation		direct mounting
Width	mm	45
Height	mm	87
Depth	mm	73
distance, to be maintained, to the ranks assembly		
forwards	mm	0
backwards	mm	0
• upwards	mm	6
downwards	mm	6
• sidewards	mm	6

distance, to be maintained, to earthed part		
• forwards	mm	0
backwards	mm	0
• upwards	mm	6
downwards	mm	6
• sidewards	mm	6
distance, to be maintained, conductive elements		
• forwards	mm	0
backwards	mm	0
• upwards	mm	6
downwards	mm	6
• sidewards	mm	6

Connections:

design of the electrical connection		
for main current circuit		spring-loaded terminals
 for auxiliary and control current circuit 		spring-loaded terminals
Product function / removable terminal for auxiliary and control circuit	_	No
Type of the connectable conductor cross-section	_	
for main contacts		
• unifilar		2x (1 10 mm2)
stranded wire		2x (1.0 10 mm2)
stranded wire		
with conductor end processing		2x (1 6 mm2)
without conductor final cutting		2x (1 6 mm2)
at AWG-conductors / for main contacts		1x (18 8)
for auxiliary contacts		
• solid		2x (0.5 2.5 mm2)
finely stranded		
with wire end processing		2x (0.5 1.5 mm2)
without conductor final cutting		2 x (0.5 1.5 mm2)
 for AWG conductors / for auxiliary contacts 		2x (20 14)
Certificates/approvals:		
verification of suitability		CE / UL / CSA
• ATEX		No
Safety:		
Mean time to failure (MTTF) / with high demand rate		
according to SN 31920	а	2,280

Proportion of dangerous failures		
with low demand rate / according to SN 31920	%	50
 with high demand rate / according to SN 31920 	%	50
Failure rate (FIT value) / with low demand rate		
according to SN 31920	FIT	50
T1 value / for proof test interval or service life		
according to IEC 61508	а	20
Protection against electrical shock		finger-safe

Further information:

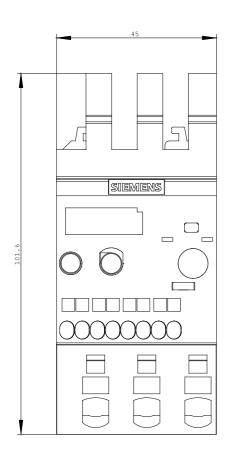
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

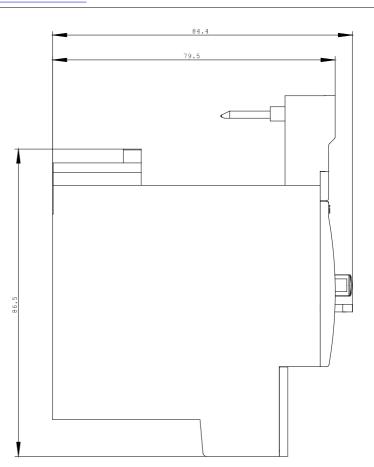
Global Industry Mall (Online ordering system)

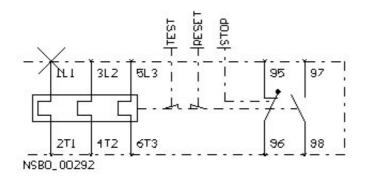
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RU2126-4AC0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU2126-4AC0







last change:

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