SIEMENS

Product data sheet 3RU1136-4BB0



OVERLOAD RELAY, 14...20 A, 1NO+1NC, SIZE S2, 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	9
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	Α	50
Trip class		CLASS 10

Type of assignement	2
type of protection	DMT 98 ATEX G 001
Size of overload relay	S2
Size of the contactor / can be combined / company-specific	S2
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	7.5
Adjustable response current		
of the current-dependent overload release	Α	14 20

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	Α	3
• at 110 V	Α	3
• at 120 V	Α	3
• at 125 V	Α	3
• at 230 V	Α	2
• at 400 V	Α	1
Operating current / of the auxiliary contacts / at DC-13		
• at 24 V	Α	1
• at 110 V	Α	0.22
• at 125 V	Α	0.22
• at 220 V	Α	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	105
Width	mm	55
Depth	mm	118
Distance, to be maintained, to the ranks assembly		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	0
Distance, to be maintained, to earthed part		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	6
Distance, to be maintained, conductive elements		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	6

Connection type:		
Product function		
 removable terminal for auxiliary and control circuit 	No	
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 (0.75 16 mm²)	
• stranded	2x (0.75 25 mm²), 0.75 35 m	nm²
• finely stranded		
 with conductor end processing 	2x (0.75 16 mm²), 0.75 25 m	nm²
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 main contacts	2x (18 3), 1x (18 1)	



for auxiliary contacts		2x (20 16), 2x (18 14)
Conductor cross section that can be connected		
• for main contacts		
• solid	mm²	0.75 16
• stranded	mm²	0.75 35
• stranded wire		
 with conductor end processing 	mm²	0.75 25
for auxiliary contact		
• solid	mm²	0.5 2.5
• stranded wire		
 with conductor end processing 	mm²	0.5 2.5
AWG number / as coded connectable conductor cross-section		
for main contacts / minimum		18
for auxiliary contact		20 14

Certificates	/approvals:

Verification of suitability CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA /

PRS / ABS

Yes

Varification of suitability / ATEX

General Product Approval Test Certificates For use in hazardous locations



KETI ROSTEST



DEKRA EXAM, **DMT**

Manufacturer

Shipping Approval











Shipping Approval

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

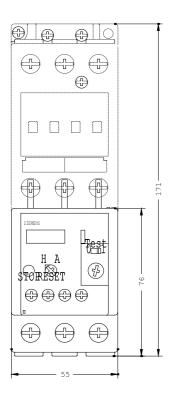
CAx-Online-Generator

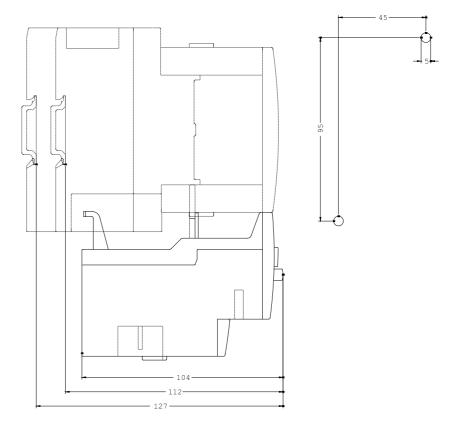
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RU1136-4BB0/all







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