SIEMENS

Product data sheet 3RU1136-4DB0

OVERLOAD RELAY, 18...25 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 / 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 the operating phase	°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	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	A	63
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 3 AC / rated value		
• maximum	V	690
Service power / at AC-3		
• at 400 V	kW	11
Adjustable response current		
• of the current-dependent overload release	A	18 … 25

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 fixing/fixation		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		
• unifilar		2x (0.75 ... 16 mm2)
• stranded wire		2x (0.75 ... 25 mm2), 0.75 ... 35 mm2
• stranded wire		
• with conductor end processing		2x (0.75 ... 16 mm2), 0.75 ... 25 mm2
• for auxiliary contacts		
• solid		2x (0.5 ... 1.5 mm2), 2x (0.75 ... 2.5 mm2)
• finely stranded		
• with wire end processing		2x (0.5 ... 1.5 mm2), 2x (0.75 ... 2.5 mm2)
• without conductor final cutting		2x (0,5 ... 1,5 mm2), 2x (0,75 ... 2,5 mm2)
• at AWG-conductors		

• for main contacts		2x (18 ... 3), 1x (18 ... 1)
• for auxiliary contacts		2x (18 ... 14)
Conductor cross section that can be connected		
• for main contacts		
• unifilar	mm²	0.75 … 16
• stranded wire	mm²	0.75 … 35
• stranded wire		
• with conductor end processing	mm²	0.75 … 25
• for auxiliary contact		
• unifilar	mm²	0.5 … 2.5
• stranded wire		
• with conductor end processing	mm²	0.5 … 2.5
• without conductor final cutting	mm²	0.5 … 2.5
AWG number / as coded connectable conductor cross-section		
• for main contacts / minimum		18
• 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

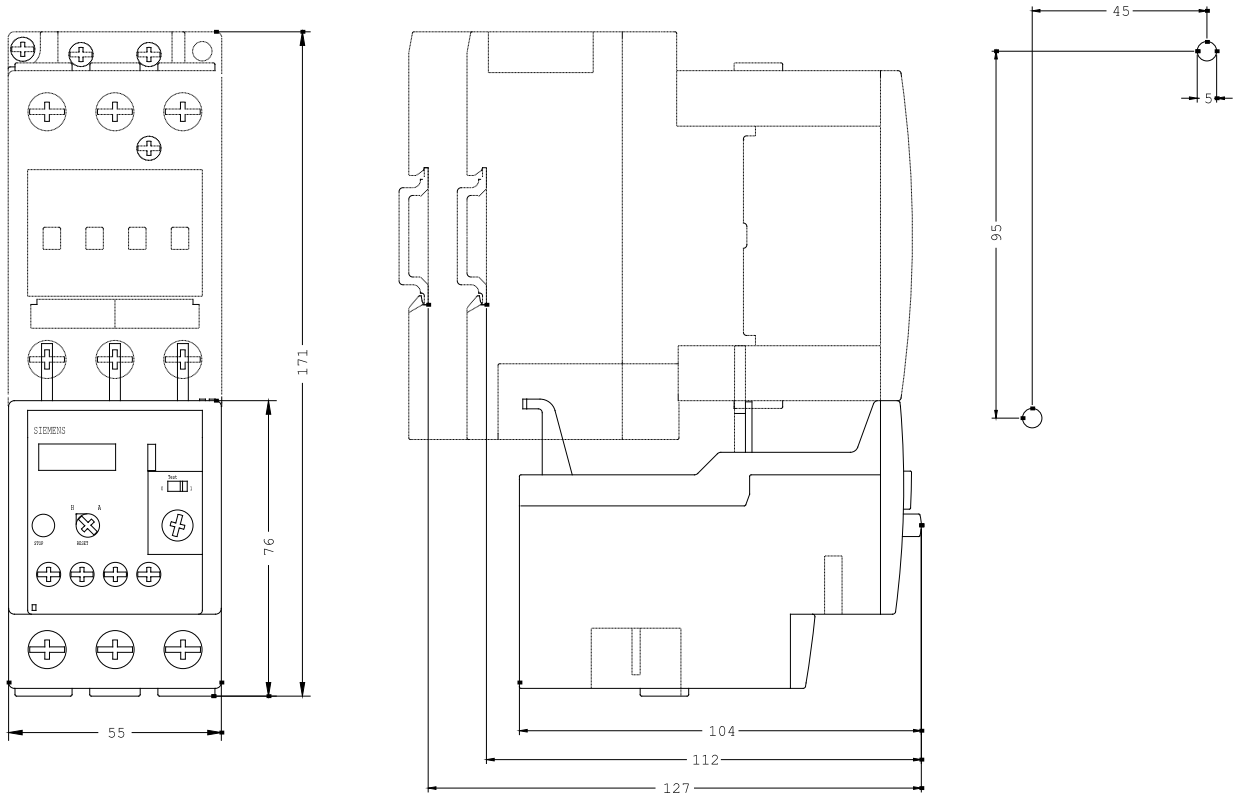
Further information:

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/3RU1136-4DB0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1136-4DB0



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