

Safety Manager Hardware Reference

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Bill of materials

Table 3 on page 59 gives an overview of those parts of the RUSFDU-01 cabinet that can be ordered separately for spare parts, if required.

Table 3 RUSFDU-01 - spare parts list

Quantity	Order number	Description
2	FC-RUSIO-3224	SM universal IO module, 32 channels, 24 Vdc
1	FC-IOTA-R24	SM universal IO redundant IO termination assembly
1	FC-MCAR-01	SM universal IO 18 inch carrier
2	FC-PSU-UNI2412	SM universal IO PSU 115/230Vac, 24 Vdc, 12 A, UL508
1	FC-PSUTA-0001	SM universal IO PSU shelf
1	10310/1/ICC	Earth leakage detector (rail mounted) CC
2	4600129	Ethernet switch, type EDS-305-S-SC-HPS, make MOXA
1	FC-CCI-HSE-08	SM universal IO ethernet cable set L-0.8m
1	4602956	ESD wristcable
1	4602957	ESD wristlet

Technical data

The RUSFDU-01 unit has the following specifications:

General	Type number:	FC-RUSFDU-01
	Operating temperature:	-5 .. +60 degC (+23 .. +140 degF)
	Storage temperature:	-25 .. +80 degC (-13 .. +176 degF)
	Relative humidity:	5..95% (non condensing)
	Approvals:	CE, UL, TUV
Power IN	Supply voltage:	102..132 Vac or 196 .. 253 Vac
	Supply load:	47 .. 63 Hz
	Supply current:	2 x 0.6A at 120 Vac, 60 Hz (no load) 2 x 1A at 230 Vac, 50 Hz (no load) approx. 35 W (no load)
	PSU efficiency:	> 85%
	Connector:	5 pole header (3 pins used)
	• make and type:	Weidmuller: BLZ 5.08/5F SN SW
	Connector names:	X1, X2

Bill of materials

Table 4 on page 73 gives an overview of those parts of the RUSFDU-02 cabinet that can be ordered separately for spare parts, if required.

Table 4 RUSFDU-02 - spare parts list

Quantity	Order number	Description
2	FC-RUSIO-3224	SM universal IO module, 32 channels, 24 Vdc
1	FC-IOTA-R24	SM universal IO redundant IO termination assembly
1	FC-MCAR-01	SM universal IO 18 inch carrier
2	FC-PSU-UNI2412	SM universal IO PSU 115/230Vac, 24 Vdc, 12 A, UL508
1	FC-PSUTA-0001	SM universal IO PSU shelf
2	4600135	Ethernet switch, type EDS-305-S-SC-T-HPS-C, make MOXA
1	FC-CCI-HSE-08	SM universal IO ethernet cable set L-0.8m
1	4602956	ESD wristcable
1	4602957	ESD wristlet

Technical data

The RUSFDU-02 unit has the following specifications:

General	Type number:	FC-RUSFDU-02
	Operating temperature:	-40°C ... +70°C (-40°F ... +158°F)
	Storage temperature:	-40°C ... +85°C (-40°F ... +185°F)
	Relative humidity:	5..95% (non condensing)
	Approvals:	CE, UL, TUV
Power IN	Supply voltage:	102..132 Vac or 196 .. 253 Vac
	Supply load:	47 .. 63 Hz
	Supply current:	2 x 0.6A at 120 Vac, 60 Hz (no load) 2 x 1A at 230 Vac, 50 Hz (no load) approx. 35 W (no load)
	PSU efficiency:	> 85%
	Connector:	5 pole header (3 pins used)
	• make and type:	Weidmuller: BLZ 5.08/5F SN SW
	Connector names:	X1, X2

Technical data

The IOTA-R24 assembly has the following specifications:

General	Type number:	FC-IOTA-R24
	Operating temperature:	-40 .. +70 degC (-40 .. +158 degF)
	Storage temperature:	-40 .. +85 degC (-40 .. +185 degF)
	Relative humidity:	10..95% (non condensing)
	Pollution:	Pollution degree 2 or better
	Approvals:	CE; UL, TUV pending
Power	Supply voltage:	24 Vdc -15%..+30%
	Supply load:	max. 10 A
	Reverse polarity protection:	parallel diode (blows the fuse)
	Fuse:	
	• rating:	10 Amp, 58V
	• type:	TAC ATO Style Blade Fuse
	• manufacturer:	Littelfuse
	• ordernumber:	142.6185.510_
	V+ pins:	
	• max. current:	1 Amp (total of four CN3 pins)
	• max. voltage drop:	<1.5V (at 0.7A)
	• max. reverse voltage:	36V
Connections	24V supply:	2 x M4 (to power rail of the carrier)
	Ground:	10 x M3.5 (to metal of the carrier)
	Ethernet:	RJ-45
	IO (CN1 and CN2):	Weidmuller: BLZ 5.08/16/90F SN SW
	V+ (CN3):	Weidmuller: BLZ 5.08/4/90F SN SW
	Screw terminals (CN1,CN2,CN3):	
	• max. wire diameter:	0.50 .. 2.50 mm2
	• strip length:	7 mm
Physical Data	Dimensions (H x W x D):	64 x 120.7 x 443.2 mm 2.52 x 4.75 x 17.45 in
	Weight:	0.57 kg 1.26 lbs