

Digital I/O field unit

- 12 digital outputs (relays)
- for DIN rail mounting
- 230 V AC mains power
- Programmable relay outputs safe state



Technical data

Electrical data	Nominal voltage range	AC 100 ... 230 V 50/60 Hz	
	For wire sizing	2 VA	
	Power consumption from mains	1 W	
	Power consumption from bus	5 mW	
	Connecting	Power supply terminal 3 x 1.5 mm ² wire 2x6 outputs terminal 12 x 1.5 mm ² wire 2 x RingBus terminal 4 x 1.5 mm ² wire	
	Wire stripping length	10 mm	
	Output type	Latch relay	
	Output max load	Resistive: 0.2 A at 250 VAC, 2A at 30VDC Inductive: 0.1 A at 250 VAC, 1A at 30VDC	
	Safety	Degree of protection	IP20
		EMC	CE according to 2004/108/EC
Low-voltage-directive		CE according to 2006/95/EC	
Ambient humidity range		IEC 60730-1 max. 95 %	
Ambient temperature range		-20 ... +60°C	
Non-operating temperature		-40 ... +85°C	
Maintenance		Maintenance-free	
Dimensions / weight	Dimensions	137 x 127 x 50 mm	
	Weight	450 g	

Safety notes



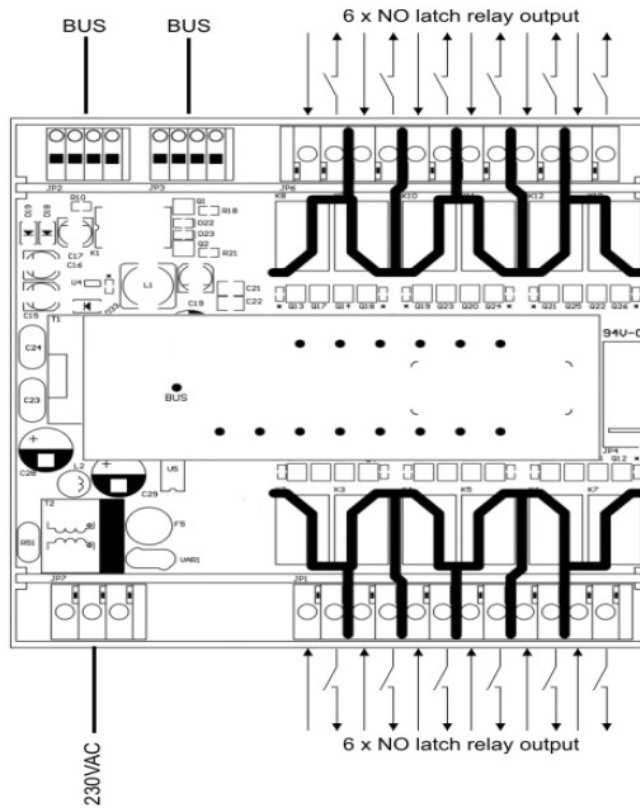
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel.
Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

12 digital outputs	RBFU 3.30 has 12 digital outputs. It is mountable on DIN rail. Outputs are NO relay contacts. The unit is connected to the Ringbus master controller via a 4 wire ring bus communication.
Predefined address	Each unit has a predefined address and therefore has not to be addressed during the system commissioning.
Work without 230 V	RBFU 3.30 ST unit is able to work without 230 V, but then it is only sending information about its power supply condition and is not able to turn on/off the outputs.
Outputs safe state	Relay outputs will go in to preprogrammed safe state if communication is lost for more than 10s or around 1s after loss of the external power. Possible safe states are CLOSE, OPEN and STAY

Electrical installation

Wiring diagram



Dimensions [mm]

Dimensional diagrams

