

Digital I/O field unit

- 8 digital inputs (potential free)
- 4 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 8 inputs terminal 16 x 1.5 mm ² wire 4 outputs terminal 8 x 1.5 mm ² wire 2 x RingBus terminal 4 x 1.5 mm ² wire
	Wire stripping length	10 mm
	Inputs	Potential free contacts, optically insulated
	Output type	Latch relay
	Output max load	Resistive: 0.2A at 250VAC; 2A at 30VDC Inductive: 0.1A at 250VAC; 1A at 30VDC
	Safety	Degree of protection
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	137x 127 x 50 mm
	Weight	450 g

Safety notes



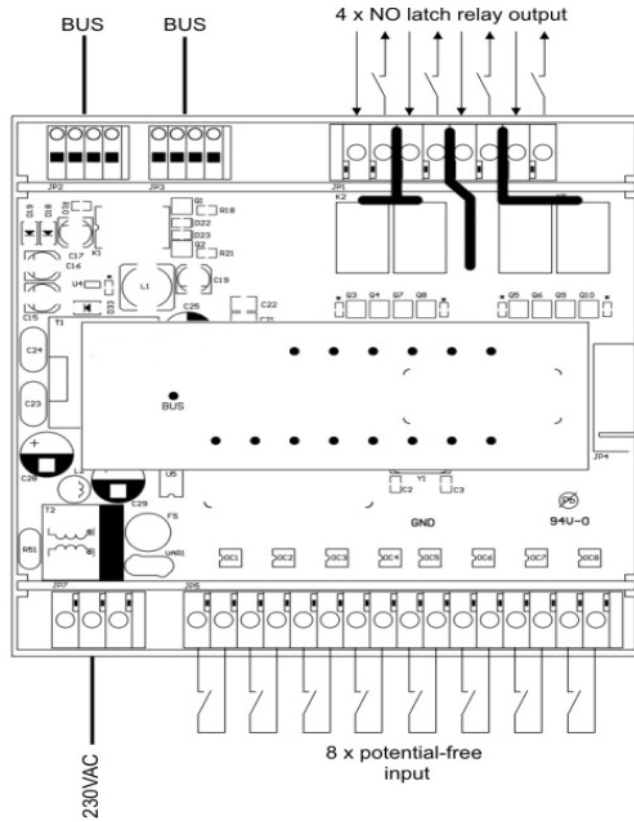
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel.
Any legal regulations or regulations issued by authorities 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

8 digital inputs, 4 digital outputs	RBFU 3.20 has 8 digital inputs and 4 digital outputs. It is mountable on DIN rail. Inputs are potential free contacts. 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 3.20 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 or to read inputs.
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

