

## Digital I/O field unit

- 12 digital inputs (potential free)
- for DIN rail mounting
- 230 V AC mains power



## 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 <sup>2</sup> wire 2x6 inputs terminal 12 x 1.5 mm <sup>2</sup> wire 2 x RingBus terminal 4 x 1.5 mm <sup>2</sup> wire
	Wire stripping length	10 mm
Safety	Inputs	Potential free contacts, optically insulated
	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



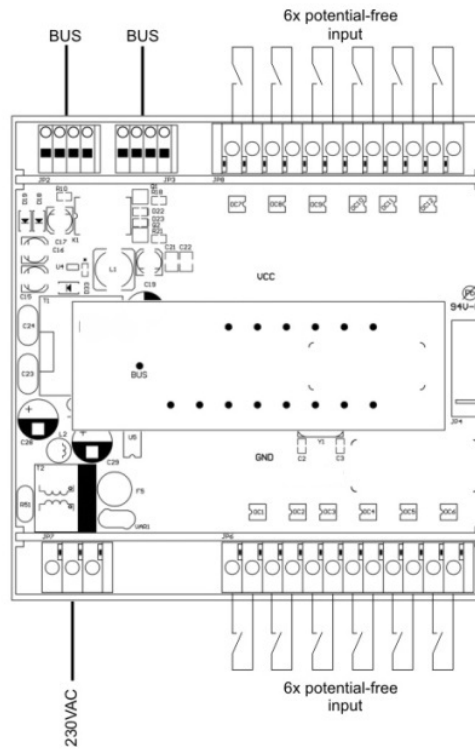
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel.  
Any legal regulations or regulations issued by authorities 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 inputs	RBFU 3.10 has 12 digital inputs. It is mountable on DIN rail. Inputs are potential free 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 3.10 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 read inputs.

## Electrical installation

Wiring diagram



## Dimensions [mm]

Dimensional diagrams

