

Field unit for 2 fire MP bus dampers

- connects 2 fire MP bus dampers to the Bustec Ringbus
- provides a plug connection for the Belimo BF24TL-T-ST, BLF24K-T-ST actuators
- has a predefined address (no addressing required during system commissioning)
- AC 230 V mains power



Technical data

Electrical data	Nominal voltage range	AC 100 ... 230 V 50/60 Hz
	For wire sizing	24 VA
	Power consumption from mains	Actuator consumption + 300 mW
	Power consumption from bus	5 mW
	Connecting	Power supply cable 2 x 0.75 mm ² 2x Actuator Plug, 4 poles 2x Actuator service port Plug, RJ 12 2 x RingBus Plug 4 x 1.5 mm ² wire
Safety	Wire stripping length	8 mm
	Protection class	Class II (all insulated)
	Degree of protection	IP42
	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
	Weight	400 g

Safety notes



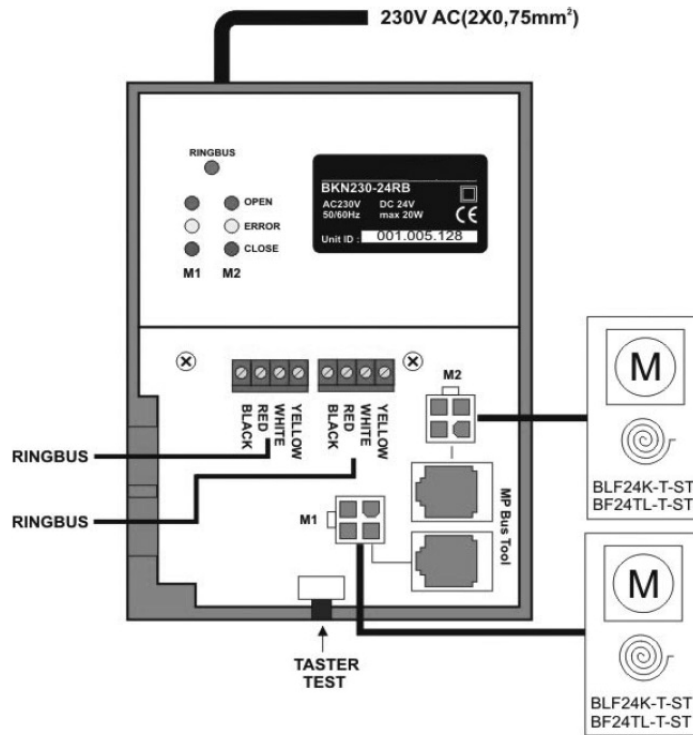
- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- Caution: Power supply voltage!
- It may only be installed by suitably trained personnel. Any legal regulations or regulations issued by authorities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

Control of fire damper actuators	BKN 230-24 RB is used for controlling up to two Belimo MP bus fire damper actuators (BF24 TL-T-ST and BLF24K - T-ST). The unit is connected to RingBus master controller via the 4 wire Ringbus communication.
Connection	The Belimo MP bus actuators are equipped with connector that is plugged directly in to BKN 230-24RB unit.
Isolation	The actuators are isolated from mains by a transformer.
Predefined address	Each unit has a predefined address and therefore has not to be addressed during the system commissioning.
Work without 230 V	BKN 230-24RB unit is able to work without 230 V, but then it is only sending data about it's status to the Ringbus master controller and is not able to communicate with actuators.
Service port	BKN 230-24RB provides one service port for each actuator. Using ZIP tool, user is able to set actuator's parameters
Test pushbutton	Using test pushbutton, user is able to test dampers and reset error flags on actuators

Electrical installation

Wiring diagram



Dimensions [mm]

Dimensional diagrams

