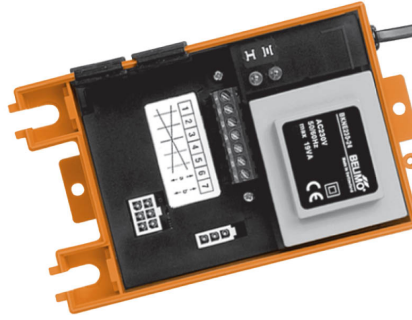


Communication and power supply unit for smoke control dampers

- Nominal voltage AC 230 V
- Monitoring of smoke control dampers in combination with the communication and control unit BKSE24-6



Technical data

Electrical data	Nominal voltage	AC 230 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 198...264 V
	Power consumption in operation	10 W
	Power consumption in operation note	incl. actuator
	Power consumption for wire sizing	19 VA
	Power consumption for wire sizing note	incl. actuator
	Connection supply	Cable 1 m, 2 x 0.75 mm ² / halogen-free
	Connection plug	Actuator supply: 3-pole plug Auxiliary switch: 6-pole plug
Safety data	Protection class IEC/EN	II, reinforced insulation
	Degree of protection IEC/EN	IP40
	EMC	CE according to 2014/30/EU
	Low voltage directive	CE according to 2014/35/EU
	Mode of operation	Type 1
	Pollution degree	2
	Ambient temperature	-30...50°C
	Storage temperature	-40...80°C
Servicing	maintenance-free	
Weight	Weight	0.68 kg

Safety notes



- The device must not be used outside the specified field of application, especially not in aircraft or in any other airborne means of transport.
- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The device does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Product features

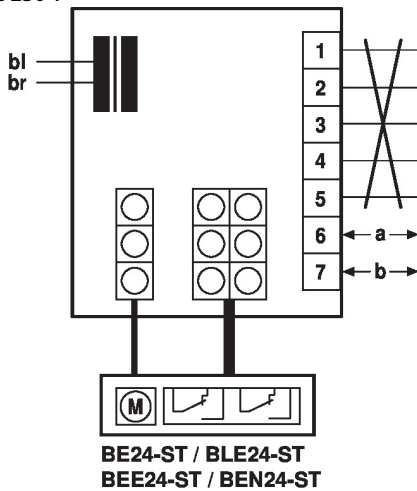
- Mode of operation** The BKNE230-24 is a decentralised power supply unit for the BE24-ST, BLE24-ST, BEE24-ST or BEN24-ST smoke control damper actuators. It serves as a communication interface between the smoke control damper actuator and the BKSE24-6 communication and control unit.
- Communication** The BKNE230-24 transmits the damper position OPEN/CLOSED and fault messages to the BKSE24-6. It receives the commands from the control unit BKSE24-6 and controls the actuator to the desired position. The last control command is retained even in the event of a temporary power failure. The command CLOSE is stored in the memory at the factory.

- Signalling** There are two LEDs in the device which indicate the function status.
- Monitoring** The BKNE230-24 monitors the position of the actuator, the running time and the data exchange with the BKSE24-6.
- Connection** To simplify connection, the smoke control damper actuators BE24-ST, BLE24-ST, BEE24-ST and BEN24-ST are equipped with connector plugs which are connected directly to the BKNE230-24. The 2-wire cable a/b to the BKSE24-6 is connected to terminals 6 and 7 (screw terminals for 2 x 1.5 mm² wire). Terminals 1 and 5 may not be assigned.

Accessories

Electrical accessories	Description	Type
	Communication and control unit for smoke control dampers	BKSE24-6







Electrical installation

Caution: Power supply voltage!
Wiring diagrams
 AC 230 V

 bl = blue
 br = brown

Operating controls and indicators



- ① Power supply AC 230 V
- ② Plug connections for smoke control actuator 24 V
- ③ Terminal block 7-pole
- ④ Cable bushing for smoke control actuator
- ⑤ Cable bushing for 2-wire cable a/b
- ⑥ LED display green: damper CLOSED
- ⑦ LED display yellow: damper OPEN

LED	Status	Function
Yellow 	Flashing	Damper moves OPEN
Yellow 	On	Damper OPEN
Green 	Flashing	Damper moves CLOSED
Green 	On	Damper CLOSED
Yellow or green 	Flashing at double frequency	Fault
Yellow and green 	Off	Power failure

Dimensions

Dimensional drawings

