

KTS



- **VDI 6022 HYGIENIC STANDARD**
- **CERTIFICATION FOR ASSEMBLY OUTSIDE THE WALL UP TO 1 METRE**

Description

EI 120 S fire damper according to UNI EN 1366-2 classification **UNI EN 13501-3** certificate no. 1438-CPR-0528

CE marking - VDI 6022 hygienic certificate

- Construction: Z275 galvanised steel frame th. 10/10 male coupling for direct insertion into the duct, offset blade in calcium silicate mounted on steel pins and brass bushings, intumescent gasket and perimeter gasket for tightness against cold fumes
- Vertical or horizontal installation
- Leakage class C of the frame according to EN 1751

Fitted with:

- **Manual version:** with 72°C thermal fuse, spring return and microswitch
- **Motorised version:** actuators with thermal fuse, spring return, 24V and 230V dual microswitch

- Installations in walls with fire resistance classes EI 120/90/60 with blade installed in the wall or outside
- Ceilings th. 150 mm
- Low density masonry walls with th. 115 mm
- Plasterboard walls th. 100 mm
- Outside the wall th. 120 mm up to 1 metre (EI 90S)

EI 120 (v_e h_o i ↔ o) S

KTS-O-S: with fuse and spring return

KTS-S-O W: with fuse, spring return and microswitch (W1 - W2 - W12)

- **W1:** limit switch on closing
- **W2:** limit switch on opening
- **W12:** limit switch opening and closing

KTS-O-E24T: with actuator with spring return, thermal fuse and double opening and closing micro limit switch, 24V power supply

KTS-O-E230T: with actuator with spring return, thermal fuse and double opening and closing micro limit switch, 230V power supply

Special executions

- Execution in AISI 304 stainless steel
- Execution in galvanised steel coated according to the RAL table
- Blade treated with solvent-free, silicate-based impregnating agent, for acidic or very humid environments
- 95°C thermal fuse for motorised version
- Special execution for "cabin/container" metal structures with installation outside the wall
- Additional communication systems (see page 10)

All prices are list prices for local market, for a quotation please contact us.

KTS.. price list

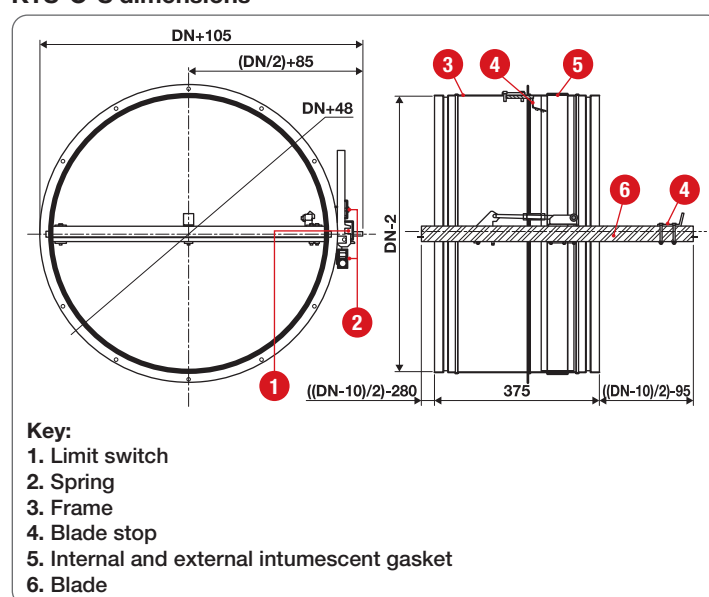
DN	160	200	250	315	355	400	450	500	630
WITHOUT GASKETS	209	220	237	270	289	306	336	358	426
WITH UP GASKET	223	237	259	296	318	336	368	393	468
1 MICRO W1 - W2	256	267	284	317	336	352	382	404	473
2 MICRO W12	303	314	331	364	383	399	429	451	520
E24T	478	486	498	520	533	544	-	-	-
E24T	-	-	-	-	-	-	694	709	756
24V ACTUATOR AND UP GASKETS	489	499	514	539	554	566	718	734	786
E230T	509	517	529	551	564	575	-	-	-
E230T	-	-	-	-	-	-	729	744	791
E230T ACTUATOR AND UP GASKETS	519	530	545	570	585	597	752	769	821

Spare FUSE 72°C

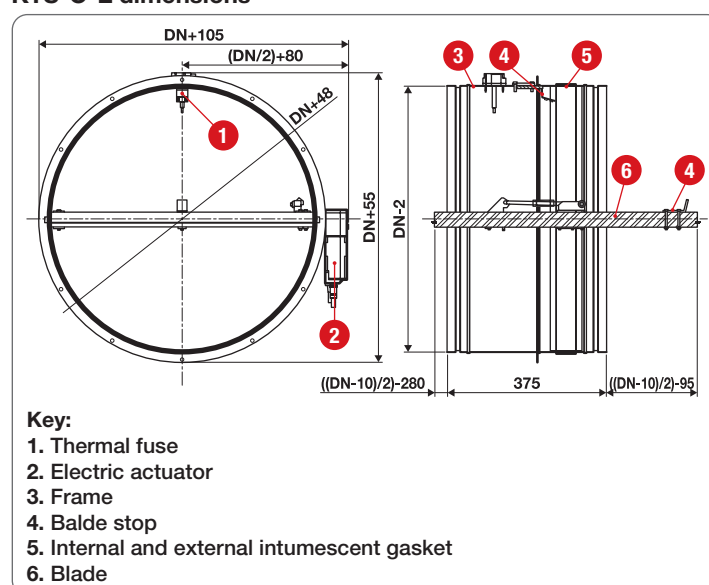
16

Delivery: prices in bold in stock

KTS-O-S dimensions

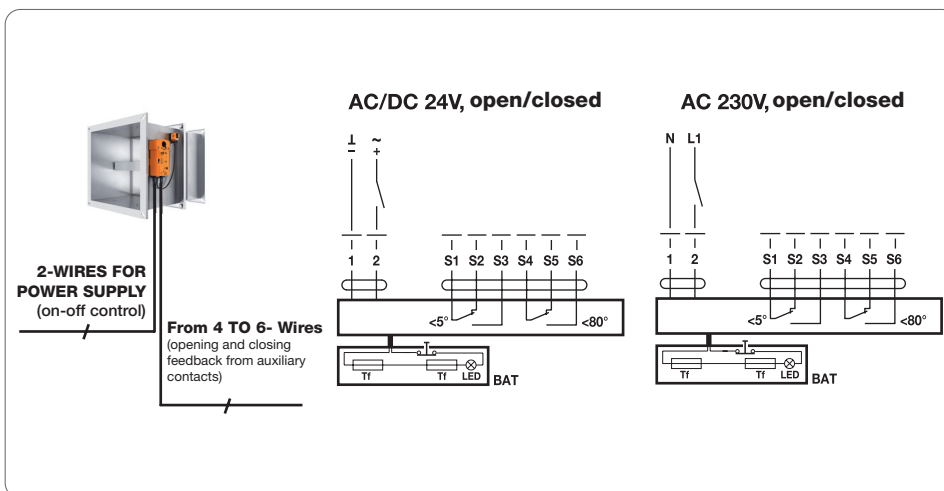


KTS-O-E dimensions



Standard actuator

- BFL24-T
- BFN24-T
- BF24-T
- BFL230-T
- BFN230-T
- BF230-T

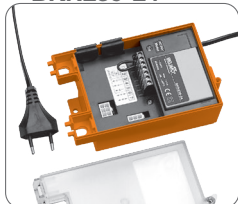


Control and warning

Actuators:

- All 24V actuators with T-ST extension
- BFL24-T-ST
- BFN24-T-ST
- BF24-T-ST

BKN230-24



Description

- Power supply and communication unit for actuators for 24V fire damper with ST socket
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

BKS24-1B



Description

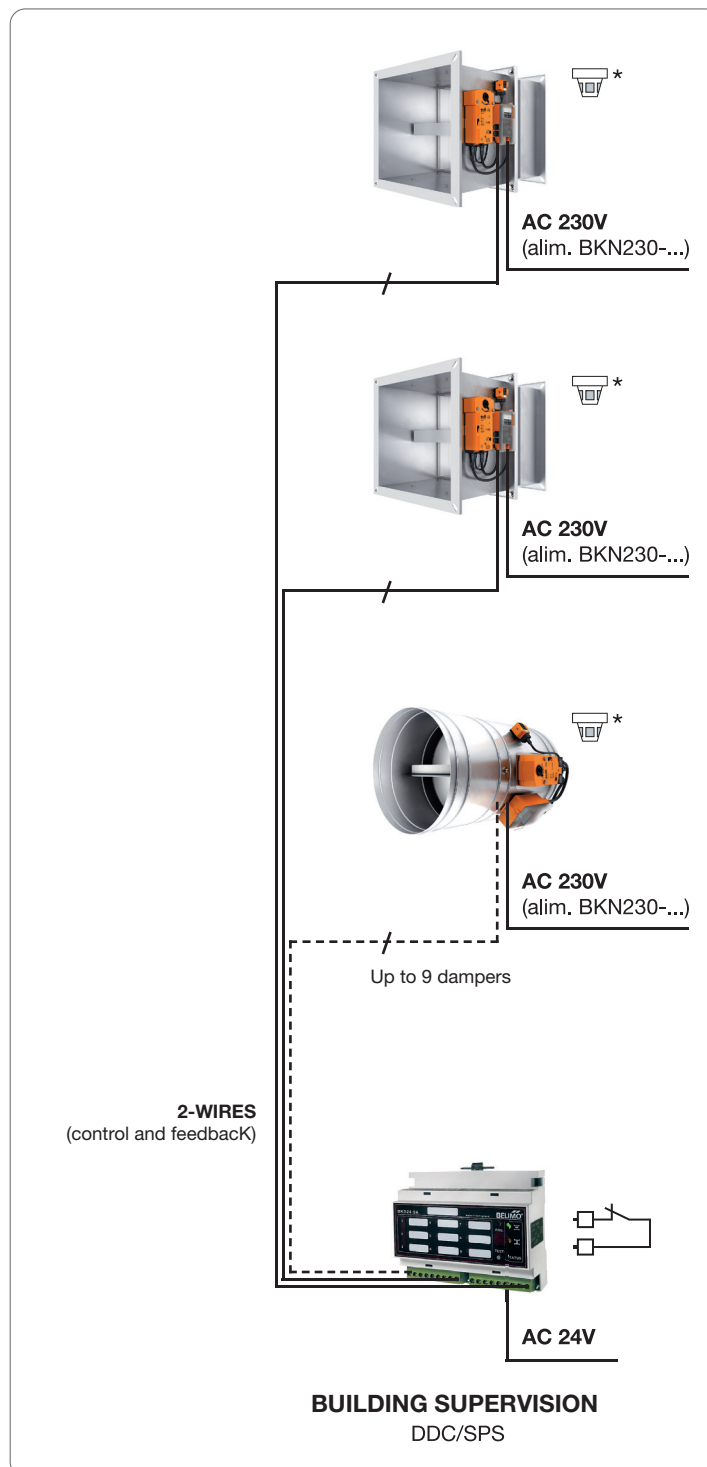
- Communication and control unit for fire damper
- Control and monitoring of 1 damper
- Built-in status light
- ZSO-11 connection base required
- AC 24V power supply

BKS24-9A



Description

- Communication and control unit for fire damper
- Control and monitoring of 9 dampers
- Built-in status light
- Connection plug terminals
- AC 24V power supply



Modbus RTU and BACnet MS/TP

Actuators:

- All 24V motors with T-ST extension

BKN230-24-MOD



Description

- Power supply and communication unit for actuators for 24 V fire damper with ST socket
- BACnet MS/TP, Modbus RTU communication
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

UK24MOD

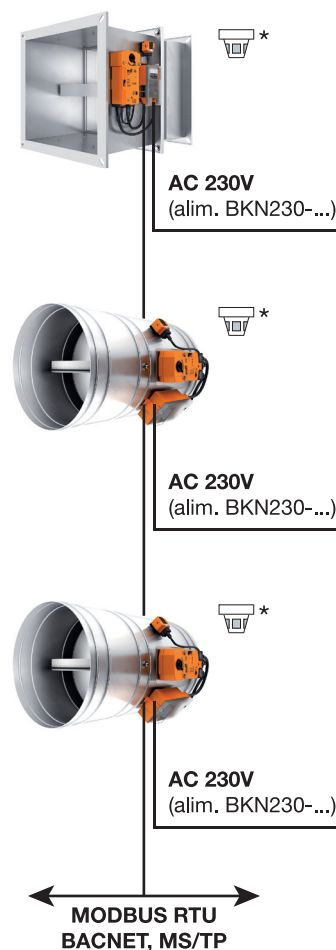


Description

- MP Gateway for Modbus RTU
- AC/DC 24V
- MP interface – Modbus RTU (RS-485)
- Connection of max. 8 actuators
- MP/MPL/MFT(2) incl. VAV and fire protection

1..64 DAMPERS

(with signal repeater, it is possible to connect up to 64 dampers)



MP-Bus and DDC-Controller

Actuators:

- All 24V motors with T-ST extension

BKN230-24-C-MP



Description

- Power supply and communication unit for actuators for 24 V fire damper with ST socket
- MP-Bus communication
- UK24MOD, UK24BAC and SBS control
- Built-in status light
- Possible connection to a smoke detector, without additional power supply
- AC 230V power supply

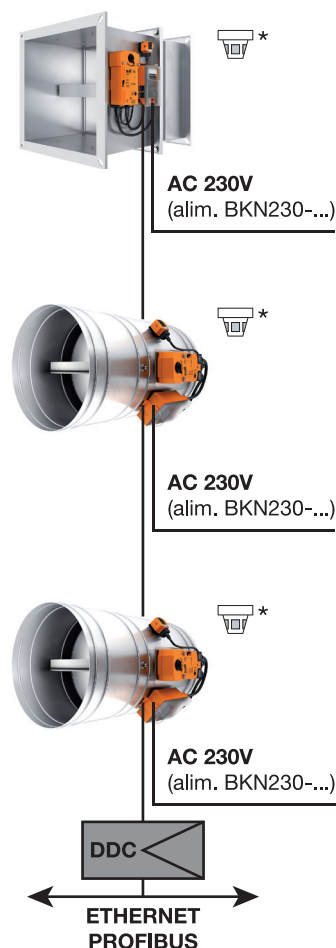
UK24BAC



Description

- MP Gateway for BACnet MS/TP
- AC/DC 24V
- MP interface – BACnet MS/TP (RS-485)
- Connection of max. 8 actuators
- MP/MPL/MFT(2) incl. VAV and fire protection

1...8 DAMPERS



Fire damper systems

All prices are list prices for local market, for a quotation please contact us.

Price list - Fire damper systems

Cable / Socket for systems	€
T-ST	50

Power supply and communication systems	€
BKN 230-24	280
BKN 230-24 C - MP	400
BKN 230-24 MOD	400
BKN 230-24 LON	620

Monitoring and control system	€
BKS 24-1	530
24-9A BKS	710
UK 24 MOD	830
UK 24 BAC	940

Example:

Fire damper with 24V actuator and thermal fuse, take the list price for the motorised damper.

We combine the power supply and communication unit **BKN230-24** and to do so, we need to use the **T-ST** cable.

T-ST + BKN 230-24 we will get: € 50.00 + € 280.00 = € 330.00 to be added to the price of the 24V motorised damper.

We will then combine the monitoring and control system **BKS 24-1** or **BKS24-9A**.

Combine the components according to the "MOD-LON" communication system.

Smoke control damper systems

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Price list - Smoke control damper systems

Cable / Socket for systems	€
T-ST	50

Power supply and communication systems	€
BKNE 230-24	380

Monitoring and control system	€
BKSE 24-6 UP TO 6 DAMPERS	530
BSIA24-48 PULSE, 24-48 V, NORM. OPEN	710
BSIA24-48 R FAIL SAFE / CUT-OFF, NORM. CLOSED	830