

Types JZ-A · JNE-A



Types JZ-B · JZD-B · JZ-L · JNE-B · JNE-L



Types JZ-G · JZD-G



New in the product range

- **Type JNE-L**
(stainless steel construction, air tight to DIN EN 1751)

- **All types (except JZ-G · JZD-G)**

Within the standard sizes all intermediate sizes (width-dimension and/or height-dimension) deliverable. Multileaf dampers out of the standard sizes will be delivered subdivided on B- resp. H-dimension.

- **Types JZ-G · JZD-G**

Dimension range expanded up to width B = 1200 mm; all B-dimension-intermediate-sizes within the standard sizes are deliverable.

- **Accessory spring return actuators, plug-on actuators and control drivers**

See table on page 2 to 6

- **Accessory pneumatic actuators**

See product information PI/3/4/EN/2

- **All types**

- Casing leakage (with multileaf damper opened) in accordance with DIN EN 1751
- Independent of size the classification C is fulfilled

Product range spring return actuators, plug-on actuators and control drives

OLD		NEW		Types			
Type resp. construction variant ... combined ...	Code	Type resp. construction variant ... combined ...	Code	JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
Spring return actuator (power off to close), damper "CLOSED" when no current 4)							
–	–	without integrated limit switches U = AC 24...240 V, 50/60 Hz resp. DC 24...125 V, opening ≈ 6 W, in the open position ≈ 2.5 W, capacity 9.5 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 10 Nm, weight 2.0 kg	ZF02	x	x 1)	x	x 2)
without integrated limit switches U = AC 230 V, 50/60 Hz, opening ≈ 6.5 W, in the open position ≈ 2.5 W, capacity 11 VA, protection class II, degree of protection IP54, opening approx. 150 s, closing approx. 16 s, torque approx. 15 Nm	Z08	without integrated limit switches U = AC 24...240 V, 50/60 Hz resp. DC 24...125 V, opening ≈ 7 W, in the open position ≈ 3.5 W, capacity 18 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 20 Nm, weight 2.2 kg	ZF07	x	x 1)	–	x 3)
–	–	without integrated limit switches U = AC 230 V, 50/60 Hz, opening ≈ 9 W, in the open position ≈ 4.5 W, capacity 21 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 30 Nm, weight 4.2 kg	ZF12	x	x 1)	–	x
–	–	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 6 W, in the open position ≈ 2.5 W, capacity 8.5 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 10 Nm, weight 1.8 kg	ZF01	x	x 1)	x	x 2)
without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 5 W, in the open position ≈ 1.5 W, capacity 10 VA, protection class III, degree of protection IP54, opening approx. 150 s, closing approx. 16 s, torque approx. 15 Nm	Z10	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 5 W, in the open position ≈ 2.5 W, capacity 7.5 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 20 Nm, weight 2.1 kg	ZF06	x	x 1)	–	x 3)
–	–	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 9.5 W, in Offenstellung ≈ 4.5 W, capacity 16 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 30 Nm, weight 4.3 kg	ZF11	x	x 1)	–	x

- 1) Mode of drive depends on size, see page 7
- 2) Only up to height H ≤ 650 mm
- 3) Only up to height H ≤ 1000 mm
- 4) Multileaf dampers "OPEN" when no current also available

Product range spring return actuators, plug-on actuators and control drives

OLD		NEW		Types			
Type resp. construction variant ... combined ...	Code	Type resp. construction variant ... combined ...	Code	JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
Spring return actuator (power off to close), damper "CLOSED" when no current 4)							
–	–	with integrated limit switches U = AC 24...240 V, 50/60 Hz resp. DC 24...125 V, opening ≈ 6 W, in the open position ≈ 2.5 W, capacity 9.5 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 10 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 2.2 kg	ZF04	x	x 1)	x	x 2)
with integrated limit switches U = AC 230 V, 50/60 Hz, opening ≈ 6.5 W, in the open position ≈ 2.5 W, capacity 11 VA, protection class II, degree of protection IP54, opening approx. 150 s, closing approx. 16 s, torque approx. 15 Nm Auxiliary switch: 2 x EPU (single-pole double-throw switch), 6 (3) A, AC 250 V	Z09	with integrated limit switches U = AC 24...240 V, 50/60 Hz resp. DC 24...125 V, opening ≈ 7 W, in the open position ≈ 3.5 W, capacity 18 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 20 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 2.4 kg	ZF09	x	x 1)	–	x 3)
–	–	with integrated limit switches U = AC 230 V, 50/60 Hz, opening ≈ 9 W, in the open position ≈ 4.5 W, capacity 21 VA, protection class II totally insulated, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 30 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 4.6 kg	ZF14	x	x 1)	–	x
–	–	with integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 6 W, in the open position ≈ 2.5 W, capacity 8.5 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 10 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 2.0 kg	ZF03	x	x 1)	x	x 2)
with integrated limit switches U = AC 24 V, 50/60 Hz bzw. DC 24 V, opening ≈ 5 W, in the open position ≈ 5 W, capacity 10 VA, protection class III, degree of protection IP54, opening approx. 150 s, closing approx. 16 s, torque approx. 15 Nm Auxiliary switch: 2 x EPU (single-pole double-throw switch), 6 (3) A, AC 250 V	Z11	with integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 5 W, in the open position ≈ 2.5 W, capacity 7.5 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 20 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 2.3 kg	ZF08	x	x 1)	–	x 3)

1) Mode of drive depends on size, see page 7

2) Only up to height H ≤ 650 mm

3) Only up to height H ≤ 1000 mm

4) Multileaf dampers "OPEN" when no current also available

Product range spring return actuators, plug-on actuators and control drives

OLD		NEW		Types			
Type resp. construction variant ... combined ...	Code	Type resp. construction variant ... combined ...	Code	JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
Spring return actuator (power off to close), damper "CLOSED" when no current 4)							
–	–	with integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 9.5 W, in the open position ≈ 4.5 W, capacity 16 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 75 s, closing ≤ 20 s, torque min. 30 Nm, Auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V, weight 4.4 kg	ZF13	x	x 1)	–	x
Spring return actuator (power off to close), control driver							
–	–	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 3.5 W, in the open position ≈ 2.5 W, capacity 5.5 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 150 s, closing ≤ 20 s, torque min. 10 Nm, weight 1.8 kg	ZF05	x	x 1)	x	x 2)
without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 6 W, in the open position ≈ 2.5 W, capacity 10 VA, protection class III, degree of protection IP54, opening approx. 150 s, closing approx. 16 s, torque approx. 15 Nm	ZS20	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 5 W, in the open position ≈ 3 W, capacity 7 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 150 s, closing ≤ 20 s, torque min. 20 Nm, weight 2.1 kg	ZF10	x	x 1)	–	x 3)
–	–	without integrated limit switches U = AC 24 V, 50/60 Hz resp. DC 24 V, opening ≈ 7 W, in the open position ≈ 4.5 W, capacity 12 VA, protection class III safety extra-low voltage, degree of protection IP54, opening ≤ 150 s, closing ≤ 20 s, torque min. 30 Nm, weight 4.3 kg	ZF15	x	x 1)	–	x
Plug-on actuator, open/close-reversible							
–	–	U = AC 100...240 V, 50/60 Hz, P = 1.5 W, capacity 4 VA, protection class II, degree of protection IP54, running time approx. 150 s, torque min. 5 Nm	Z42	–	–	x 2)	–
–	–	U = AC 100...240 V, 50/60 Hz, P = 2.5 W, capacity 6 VA, protection class II, degree of protection IP54, running time approx. 150 s, torque min. 10 Nm	Z43	x	x 1)	x	x 2)
U = AC 230 V, 50/60 Hz, P = 13...14 W, capacity 13...14 VA, protection class I, degree of protection IP54, running time approx. 80 s, torque approx. 15 Nm	Z12	U = AC 100...240 V, 50/60 Hz, P = 2.5 W, capacity 6 VA, protection class II, degree of protection IP54, running time approx. 150 s, torque min. 20 Nm	Z12	x	x 1)	x	x

- 1) Mode of drive depends on size, see page 7
- 2) Only up to height $H \leq 650$ mm
- 3) Only up to height $H \leq 1000$ mm
- 4) Multileaf dampers "OPEN" when no current also available

Product range spring return actuators, plug-on actuators and control drives

OLD		NEW		Types			
Type resp. construction variant ... combined ...	Code	Type resp. construction variant ... combined ...	Code	JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
Plug-on actuator, open/close-reversible							
U = AC 230 V, 50/60 Hz, P = 10...13 W, capacity 10...13 VA, protection class I, degree of protection IP54, running time approx. 180 s, torque approx. 30 Nm	Z13	U = AC 100...240 V, 50/60 Hz, P = 5 W, capacity 9 VA, protection class II, degree of protection IP54, running time approx. 150 s, torque min. 40 Nm	Z13	x	x 1)	–	–
–	–	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 1 W, capacity 2 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 5 Nm	Z44	–	–	x 2)	–
–	–	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 1.5 W, capacity 4 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 10 Nm	Z45	x	x 1)	x	x 2)
U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 1.8 W, capacity 4 VA, protection class III, degree of protection IP54, running time approx. 90...150 s, torque approx. 15 Nm	Z14	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 2 W, capacity 4 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 20 Nm	Z14	x	x 1)	x	x
U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 3 W, capacity 6 VA, protection class III, degree of protection IP54, running time approx. 135 ± 15 s, torque approx. 30 Nm	Z15	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 4 W, capacity 6 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 40 Nm	Z15	x	x 1)	–	–
–	–	Z42 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z46	–	–	x 2)	–
–	–	Z43 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z47	x	x 1)	x	x 2)
Z12 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z16	Z12 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z16	x	x 1)	x	x
Z13 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z17	Z13 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z17	x	x 1)	–	–
–	–	Z44 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z48	–	–	x 2)	–
–	–	Z45 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z49	x	x 1)	x	x 2)
Z14 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z18	Z14 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z18	x	x 1)	x	x

- 1) Mode of drive depends on size, see page 7
2) Only up to height H ≤ 650 mm

Product range spring return actuators, plug-on actuators and control drives

OLD		NEW		Types			
Type resp. construction variant ... combined ...	Code	Type resp. construction variant ... combined ...	Code	JZ-A JZ-B JZD-B JNE-A JNE-B	JZ-L JNE-L	JZ-G	JZD-G
Plug-on actuator, open/close-reversible							
Z15 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z19	Z15 with auxiliary switch: 2 x EPU (single-pole double-throw switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z19	x	x 1)	-	-
Plug-on actuator, open/close-reversible, fast-running actuator							
-	-	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 15 W, capacity 26 VA, protection class III, degree of protection IP54, running time approx. 7 s, torque min. 16 Nm	ZS21	x	x 5)	x	x
-	-	ZS21 with auxiliary switch: 2 x EPU, 1 mA...3 (0.5) A, AC 250 V	ZS22	x	x 5)	x	x
Plug-on actuator, control drive							
-	-	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 1 W, capacity 2 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 5 Nm	Z50	-	-	x 2)	-
-	-	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 2 W, capacity 4 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 10 Nm	Z51	x	x 1)	x	x 2)
U = AC 24 V, 50/60 Hz, P = 3 W, capacity 5 VA, protection class III, degree of protection IP54, running time approx. 100...200 s, torque approx. 15 Nm	Z20	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 2 W, capacity 4 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 20 Nm	Z20	x	x 1)	x	x
U = AC 24 V, 50/60 Hz, P = 3 W, capacity 7 VA, protection class III, degree of protection IP54, running time approx. 135 ± 15 s, torque approx. 30 Nm	Z21	U = AC 24 V, 50/60 Hz resp. DC 24 V, P = 4.5 W, capacity 6.5 VA, protection class III, degree of protection IP54, running time approx. 150 s, torque min. 40 Nm	Z21	x	x 1)	-	-
Spring return actuator (Ex) and terminal box (Ex) only for JZ-...-M and JZ-...-E							
-	-	U = AC 24...230 V, 50/60 Hz resp. DC 24...230 V, opening ≈ 3/15/30/60/120 s at 90° selectable on site, closing ≈ 3 resp. 10 s at 90°, protection class I, degree of protection IP65, torque 15 Nm, Auxiliary switch: 2 integrated, potential-free auxiliary switches, weight 3.5 kg	ZEX1	x	x 1)	-	-
-	-	U = AC 24...230 V, 50/60 Hz resp. DC 24...230 V, opening ≈ 40/60/90/120 s at 90° selectable on site, closing ≈ 20 s at 90°, protection class I, degree of protection IP65, torque 30 Nm, Auxiliary switch: 2 integrated, potential-free auxiliary switches, weight 9.5 kg	ZEX3	x	x 1)	-	-

1) Mode of drive depends on size, see page 7

2) Only up to height H ≤ 650 mm

5) With airtight multileaf dampers only for sizes with max. 15 Nm torque available.

Electrical actuators

Required actuators (without taking account of aerodynamic influences) for types:

- JZ-A · JNE-A · JZ-B · JZD-B · JNE-B · JZ-G · JZD-G
one actuator (size-independent)
- JZ-L · JNE-L
one actuator (size-dependent) as per table

Mode of drive	up to 10 Nm	up to 20 Nm	up to 30 Nm
Spring return actuator, plug-on actuator, open/close-reversible resp. control drive (torque min. 10 Nm), e. g. Z43	X	–	–
Spring return actuator, plug-on actuator, open/close-reversible resp. control drive (torque min. 20 Nm), e. g. Z14	–	X	–
Spring return actuator, plug-on actuator, open/close-reversible resp. control drive (torque min. 40 Nm), e. g. Z21	–	–	X

Types JZ-L · JNE-L

Height H in mm	Width B in mm								
	400	600	800	1000	1200	1400	1600	1800	2000
345									
510	10 Nm*								
675									
840									
1005				15 Nm*					
1170									
1335									
1500									
1665							30 Nm*		
1830	20 Nm*								
1995									

* Minimum torque M_2 required on factory check to achieve closed blade leakage results in accordance with DIN 1946 (Leakage < 10 m³/h · m² blades closed against pressure difference of 100 Pa) without taking account of aerodynamic influences.

Order Code Types JZ-A · JNE-A · JZ-B · JZD-B · JNE-B · JZ-L · JNE-L

JZ – A – G – R / 1000x1005 / 22 / Z64 / CLOSED / P1 / RAL ...							
1	2	3	4	5	6	7	8

1 Type

Multileaf Damper

JZ-A

JNE-A

JZ-B

JZD-B

JNE-B

JZ-L

JNE-L

2 Construction variant

no entry: basic version

G Casing both flanges drilled

M with brass bearings

G-M Casing both flanges drilled and with brass bearings

E with stainless steel bearings

G-E Casing both flanges drilled and with stainless steel bearings

3 Drive side

R right

L left

(if this is not specified then "R" is supplied)

4 Nominal size [mm]

B x H

5 Masonry subframe

0 without

22 to 28

6 Accessories

0 without

Z04 to ZEX3

Z60 to Z77

Z60EX to Z77EX

7 Damper position

OPEN pressureless/power-off open

CLOSED pressureless/power-off closed

(Specification only required at spring return actuators, single-acting rotation cylinder resp. double-acting rotation cylinder with solenoid valve)

8 Surface

no entry: basic version

P1 / RAL ... powder-coated, specify the RAL CLASSIC shade

Types JNE-... on request

Order Code Types JZ-G · JZD-G

JZ - G / 1000x1000 / 33 / Z64 / CLOSED / P1 / RAL ...

1

2

3

4

5

6

1 Type

Multileaf Damper

JZ-G

JZD-G

2 Nominal size [mm]

B x H

3 Masonry subframe

0 without

33 with

4 Accessories

0 without

Z04 to Z51

Z60 to Z77

5 Damper position

OPEN pressureless/power-off open

CLOSED pressureless/power-off closed

(specification only required at spring return actuators, single-acting rotation cylinder resp. double-acting rotation cylinder with solenoid valve)

6 Surface

P1 / RAL ... powder-coated, specify the RAL CLASSIC shade

S3 anodised to EURAS-standard E6-C-0

Additionally we are able to offer TROXNETCOM communication-solutions for the drive of multileaf dampers based on LON and AS-Interface.

Information are available on the Internet under Products/Automation and System Technology.

Further information see leaflet no. 3/1/EN/...

Prices see current price list.