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## Product Information on multi-leaf dampers

PI/3/3/EN/1

### Types JZ-A · JNE-A



- **Leaflet**

Old: 3/1/D/6  
New: 3/1/D/7

- **New in the product range**

Type JNE-L (stainless steel construction, airtight to DIN 1946)

- **All types (except JZ-G · JZD-G)**

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

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



- **Types JZ-G · JZD-G**

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

- **All types**

**Accessory spring return actuators**

– Z08...Z11 unchanged

**Accessory plug-on actuators, open/close-reversible resp. control drive**

– Z12, Z14, Z16, Z18, Z20 modified technical data

– Z13, Z15, Z17, Z19, Z21 unchanged

– Z42...Z51 new in the product range

Technical data see pages 2 up to 4.

### Types JZ-G · JZD-G



- **Prices**

In accordance with valid price list resp. on request.

## Product Information on multi-leaf dampers

PI/3/3/EN/1

### Product range

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
<b>Spring return actuator (power off to close), damper "CLOSED" when no current</b>							
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	unchanged	Z08	x	x 1)	x	x
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 (SPDT switch), 6 (3) A, AC 250 V □	Z09	unchanged	Z09	x	x 1)	x	x
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	unchanged	Z10	x	x 1)	x	x
with integrated limit switches U = AC 24 V, 50...60 Hz resp. 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 (SPDT switch), 6 (3) A, AC 250 V □	Z11	unchanged	Z11	x	x 1)	x	x
<b>Plug-on actuator, open/close-reversible</b>							
-	-	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 3)	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 3)	x	x
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	unchanged	Z13	x	x	-	-

## Product Information on multi-leaf dampers

PI/3/3/EN/1

### Product range

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
<b>Plug-on actuator, open/close-reversible</b>							
–	–	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 3)	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 IP 54, running time approx. 150 s, torque min. 20 Nm	Z14	x	x 3)	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 135 ±15 s, torque approx. 30 Nm	Z15	unchanged	Z15	x	x	–	–
–	–	Z42 with auxiliary switch: 2 x EPU (SPDT 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 (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z47	x	x 3)	x	x 2)
Z12 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z16	Z12 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z16	x	x 3)	x	x
Z13 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z17	unchanged	Z17	x	x	–	–
–	–	Z44 with auxiliary switch: 2 x EPU (SPDT 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 (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z49	x	x 3)	x	x 2)
Z14 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z18	Z14 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z18	x	x 3)	x	x
Z15 with auxiliary switch: 2 x EPU (SPDT switch), AC 250 V, 6 A (2.5 A), protection class II, degree of protection IP54	Z19	unchanged	Z19	x	x	–	–

1) Number of actuators [1 resp. 2 piece(s)] depending on size (see page 4).

2) Only up to height  $H \leq 650$  mm.

3) Mode of drive depends on size (see page 4).

### Product range

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
<b>Plug-on actuator, control drive</b>							
–	–	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 3)	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 3)	x	x
U = AC 24 V, 50...60 Hz, P = 3 W, capacity 7 VA, protection class III, degree of protection IP54, running time 135 ±15 s, torque approx. 30 Nm	Z21	unchanged	Z21	x	x	–	–

2) Only up to height H ≤ 650 mm.

3) Mode of drive depends on size.

**Further information and prices for spring return actuators (Ex) and pneumatic actuators on request.**

**Additionally we are able to offer TroxNetCom communication-solutions for the drive of multi-leaf dampers based on LON and AS-Interface.**

**Information are available on the Internet under Products/Communication systems (see also valid price list – section 7).**

### Electrical actuators

Required number of 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 (irrespective of size)

– JZ-L · JNE-L

as per table on the right

Mode of drive	Number up to 15 Nm	Number > 15 Nm
Spring return actuator (torque min. 15 Nm), e. g. Z08	1 piece	2 pieces

Mode of drive	Number up to 10 Nm	Number up to 20 Nm	Number up to 30 Nm
Plug-on actuator, open/close-reversible resp. control drive (torque min. 10 Nm), e. g. Z43	1 piece	–	–
Plug-on actuator, open/close-reversible resp. control drive (torque min. 20 Nm), e. g. Z14	–	1 piece	–
Plug-on actuator, open/close-reversible resp. control drive (torque min. 30 Nm), e. g. Z21	–	–	1 piece

### 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*							
1998									

\* Minimum torque M2 required on factory check to achieve closed blade leakage results in accordance with DIN 1946 (Leakage < 10 m<sup>3</sup>/h · m<sup>2</sup> blades closed against pressure difference of 100 Pa) without taking account of aerodynamic influences.

Further details see technical leaflet no. 3/1/EN/...