

Technical data sheet

Linear actuator for adjusting dampers and slide valves in technical building installations

- Air damper size up to approx. 1 m²
- Actuating force 150 N
- Nominal voltage AC/DC 24 V
- Control Open/close, 3-point
- Length of Stroke Max. 60 mm, adjustable in 20 mm increments



Technical data

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 19.228.8 V
	Power consumption in operation	1.5 W
	Power consumption in rest position	0.5 W
	Power consumption for wire sizing	3 VA
	Connection supply / control	Cable 1 m, 3 x 0.75 mm ²
	Parallel operation	Yes (note the performance data)
Functional data	Actuating force motor	150 N
	Direction of motion motor	selectable with switch 0 (extended) /
		1 (retracted)
	Manual override	with push-button, can be locked
	Stroke	60 mm
	Length of Stroke	Max. 60 mm, adjustable in 20 mm increments
	Stroke limitation	can be limited on both sides with mechanical
		end stops
	Running time motor	150 s / 100 mm
	Running time motor note	corresponds to 90 s / 60 mm
	Sound power level, motor	45 dB(A)
Safety	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)
	Protection class UL	UL Class 2 Supply
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	EMC	CE according to 2014/30/EU
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-14
	Certification UL	cULus according to UL60730-1A, UL60730-2-
		14 and CAN/CSA E60730-1:02
	Certification UL note	The UL marking on the actuator depends on the
		production site, the device is UL-compliant in
	Marila of a construction	any case
	Mode of operation	Type 1
	Rated impulse voltage supply / control	0.8 kV
	Control pollution degree	3
	Ambient temperature	-3050°C
	Storage temperature	-4080°C
	Ambient humidity	Max. 95% r.H., non-condensing
	Servicing	maintenance-free
Weight	Weight	0.43 kg



Safety notes		
	 The device must not be used outside the specifin aircraft or in any other airborne means of transortation or application: only possible in case that nor aggressive gases interfere directly with the anambient conditions remain at any time within the sheet. Only authorised specialists may carry out install institutional installation regulations must be comparts that can be replaced or repaired by the use. The rotary supports and coupling pieces available be used if transverse forces are likely. In addition bolted to the application. It must remain movable "Assembly notes"). If the actuator is exposed to severely contaminations must be taken on the system side. can prevent the gear rod from being extended at the design, the installation site and the ventilation. To calculate the actuating force required for air specifications supplied by the damper manufact the design, the installation site and the ventilation. If a rotary support and/or coupling piece is used expected. The device contains electrical and electronic co of as household refuse. All locally valid regulation observed. 	Asport. The (sea) water, snow, ice, insolation ctuator and that is ensured that the e thresholds according to the data lation. All applicable legal or applied during installation. cturer's site. It does not contain any ter. ble as accessories and must always on, the actuator must not be tightly e via the rotary support (refer to ated ambient air, appropriate Excessive deposits of dust, soot etc. and retracted correctly. ment push-button may only be rod. dampers and slide valves, the turers concerning the cross section, on conditions must be observed. I, actuation force losses are to be mponents and must not be disposed
Product features		
Simple direct mounting	The actuator can be directly connected with the a The head of the gear rod is connected to the mov individually on the mounting side or with the Z-KS	ing part of the ventilating application
Manual override	Manual override with push-button possible (the ge button is pressed or remains locked).	ear is disengaged for as long as the
Adjustable stroke	If a stroke limitation will be adjusted, the mechanic the gear rod can be used starting with an extension limited respectively in increments of 20 mm by me	on length of 20 mm and then can be
High functional reliability	The actuator is overload protected, requires no lin when the end stop is reached.	nit switches and automatically stops
Accessories		
	Description	Туре
Mechanical accessories	End stop kit, Multipack 20 pcs.	Z-AS2
	Determined for Provident stars	7 004

Notes • Connection via safety isolating transformer. • Parallel connection of other actuators possible. Observe the performance data.	
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Rotary support, for linear actuator

Coupling piece M6

Z-DS1

Z-KS2

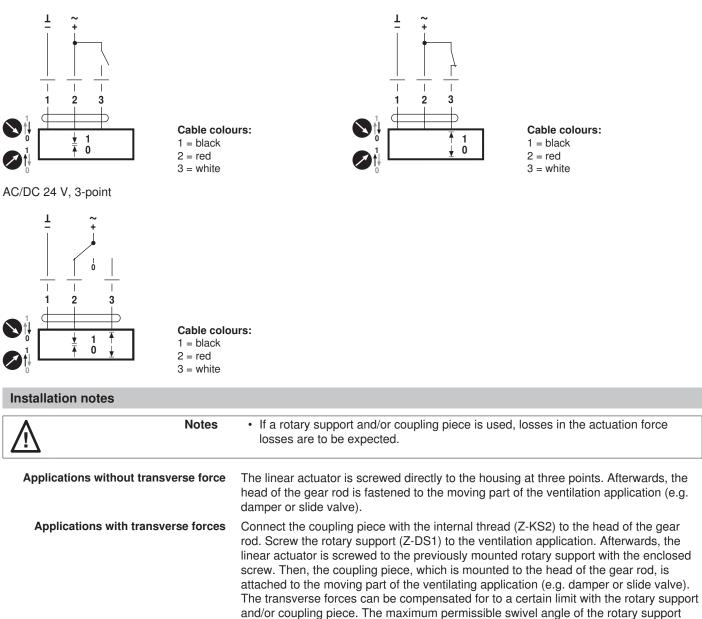
Connection 3 takes priority



Electrical installation

Wiring diagrams

AC/DC 24 V, open/close



and coupling piece is 10°, laterally and upwards.



Dimensions [mm]

Dimensional drawings

