

Feedback potentiometer for damper actuators and rotary actuators

- Nominal resistance 140 Ω
- · add-on



Technical data			
	Electrical data	Nominal resistance	140 Ω
		Tolerance	±5%
		Loading capacity	Max. 1 W
		Linearity	±2%
		Resolution	Min. 1%
		Residual resistance	Max. 5% on both sides
		Connection feedback potentiometer	Cable 1 m, 3 x 0.75 mm ² halogen-free
	Safety	Protection class IEC/EN	III Safety extra-low voltage
		Protection class UL	UL Class 2 Supply
		Degree of protection IEC/EN	IP54
		Degree of protection NEMA/UL	NEMA 2, 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 UL 60730-1A, UL 60730-2-
			14 and CAN/CSA E60730-1:02
		Mode of operation	Type 1
		Rated impulse voltage supply	0.8 kV
		Control pollution degree	3
		Ambient temperature	-3050°C
		Non-operating temperature	-4080°C

Ambient humidity

Maintenance

Weight

Safety notes



Weight

• The device must not be used outside the specified field of application, especially not in aircraft or in any other airborne means of transport.

0.19 kg

95% r.h., non-condensing

Maintenance-free

- Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- · Cables must not be removed from the device.
- 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.

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Product features

Mode of operation

A carrier plate uses adaption to make a positive fit on the spindle clamp (damper actuators) or on the position indication (rotary actuators) and transfers the position directly to the feedback potentiometer.

Application

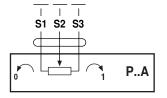
The feedback potentiometer unit is used for modulating damper control in connection with controllers with fixed feedback. The feedback potentiometers can also be used in conjunction with commercially available systems for damper position indication or as positioners for parallel running actuators.

Simple direct mounting

The feedback potentiometers are attached directly by the spindle clamp (damper actuators) or on the position indication (rotary actuators). The guiding grooves between the housing and the switch ensure a tightly sealing fit.

Electrical installation

Wiring diagrams



Cable colours:

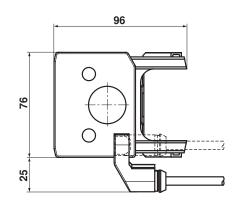
S1 = violet

S2 = red

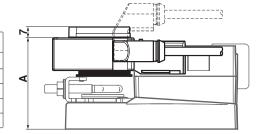
S3 = white

Dimensions [mm]

Dimensional drawings



	Α		Α
TMA, LMA	66	LMQA	80
NMA	69	NMQA	83
SMA	71	SMQA	89
SMDA	71	NKQA	87
GMA	78	GKA	94



	Α		Α
TRA, LRA	66	LRQA	80
NRA	69	NRQA	83
SRA	71	GRKA	94
GRA	78		

