

EDELWEISS Actuators

Electrical Explosion Proof actuators

Catalogue/price list 2012

Series EXAM – on/off

- ✚ No spring return
- ✚ Running time 150 sec
- ✚ 40 Nm
- ✚ Control ON/OFF
- ✚ Power supply 230V ac, 24V ac, 24V dc
- ✚ In according to EN 60079-0, EN60079-1, EN 60079-31
- ✚ Zone 1, 2, 21, 22

Applications

The EXAM..GM actuators are intended for the operation of air control damper in ventilation and air condition systems.

Features

The actuator moves the damper to its working position until it is powered. If the power supply is interrupted the motor locks the damper position. The actuator is overload protected.

The actuator can be mounted directly on the damper shaft if square, 12 x 12 mm or 10 x 10 mm (adaptor included); Several mounting brackets are available for applications where the actuator cannot be directly coupled to the damper shaft. The cable glands are fit for cable diameters from 8 to 10,5 mm.

Products range

ITEM	Belimo type	Auxiliary Switch
EXAM G G 123 0 L 000	GM230A	None
EXAM G G 123 0 R 000		
EXAM G G 123 2 L 000		2 x SPDT
EXAM G G 123 2 R 000		
EXAM G B 123 0 L 000	GM24A	None
EXAM G B 123 0 R 000		
EXAM G B 123 2 L 000		2 x SPDT
EXAM G B 123 2 R 000		

Options available on request:

Different angle of rotation
Different wiring length



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NEMKO 03 ATEX 1242X



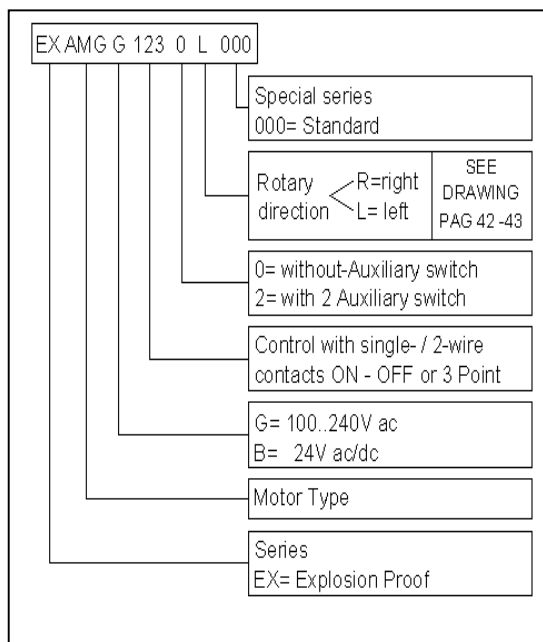
II 2G Ex d IIC T6 Gb



II 2D Ex tb IIIC T67 °C

For zone 1, 2, 21, 22

The product may be differ from the illustration



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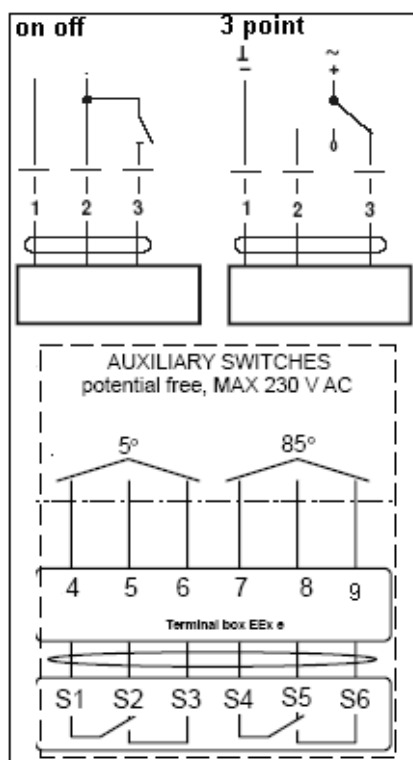
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Technical data	
Torque (nominal torque)	40 Nm (nominal voltage)
Control Mode	ON/OFF, 1 or 2 wire
Rotation angle	95°
Running time	150 Sec.
Ambient temperature	-20°C + 50°C
Degree of protection	IP66
Housing material	Aluminium baked varnish
Maintenance	None
Fastening	Terminal block in Ex e box
Wiring length	1 m. cable
Weight	6 kg
Auxiliary micro switches	6A (3A) max 250 V ac Switching point at 5° e 85°
EMC	CE according to 2004/108/EC
Low voltage directive	CE according to 2006/95/EEC
Halogen – Free wiring	According to IEC 60332-1/3 and According to IEC 60754-1/2

Technical data	
EXAM G type	
Power supply	AC 100 240 V 50/60 Hz
Nominal voltage range	AC 85 265 V
Power consumption: running	5,0 W
At rest	2,0 W
For wire sizing	9,0 VA
EXAM B type	
Power supply	24 V AC 50/60 Hz 24 V DC
Nominal voltage range	AC/DC 19.2 28.8 V
Power consumption: running	5,0 W (nominal torque)
At rest	2,0 W
For wire sizing	7,0 VA

Electric diagram



NOTE:

- Read the note about the use and torque requirements of the damper manufacturer
- All electrical wirings must be according to local standards.
- Electrical connections by power off only.
- Ex e junction box must not be opened under any circumstances when the power is on.
- Actuator cable must be installed in a fixed position and protected against damage.
- Avoid excessive vibrations.
- Before switching-on, check that no other equipment is damaged and make sure that supply voltage corresponds with the Actuator's specification.
- Before switching-off check for possible effects on other equipments.
- The Actuator cannot and is not to be opened to guarantee explosion proof and warranty.
- For any problem contact Edelweiss Actuators.
- The equipment shall be marked "X" since flameproof joint is other than the relevant minimum or maximum according to CEI EN 60079-1. Information on dimension of flameproof joints available at Edelweiss Actuators.srl