

Actuating drive BC-PSA

Mining, coated for usage in firedamp-areas

Description

Double-piston-actuator, pneumatic double acting or single acting with spring reset, prior usage is actuation of flaps and ball valves.

The actuating drive is pilot controlled via a 3/2-way or a 5/2-way pilot valve.

Standardised interface for solenoid valves acc. to NAMUR.

Dimensions acc. to DIN ISO 5211.



Specifications

Design:	Double-piston actuating drive double- / single- acting
Connection:	Namur-interface
Working pressure:	4 - 6 bar
Max. pressure:	10 bar
Direction of flow:	Determined
Control medium:	Filtered, oil-free air acc. to DIN ISO 8573-1 / class 4
Ambient temperature:	-20°C up to +65°C standard
Max. medium temp.:	35°C

Materials

Housing:	Aluminium alloys
Cap:	Aluminium alloys, epoxy
Piston:	Aluminium alloys
Driver:	Steel, nickel-plated
Seal:	NBR
Storages:	Synthetic

Explosion protection: Ⓜ 94 / 9 / EG

Machinery directive: Ⓜ 98 / 37 / EG

Certificate: ATEX 98, ExVo Ⓜ I M2 GD c

The outer enclosure of the actuator contains aluminium and must therefore be used in protected installation in coal mines / group I. The rotary actuator must not be used without protection of the housing. These requirements must also be considered for transportation and installation.

Flap

Housing:	GGG 40 max medium pressure 16 bar
Disk:	Steel or stainless steel
Collar:	EPDM, NBR
Flow media:	Neutral, gaseous, liquids, dust or semifluid media.
Size:	DN 40 - DN 200

Ball valve

Ball valves are available in pipe collar and flange.

Housing:	Brass, steel, stainless steel
Connection flange:	up to DN 200
Connection pipe collar:	up to G4"

