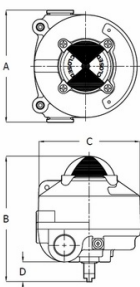


ECON® Switchbox Type: 79653 Aluminium Explosion-proof



Characteristics

Type: 79653
Execution: Switchbox
Explosion-proof: Yes
With console: Yes
Console height: 30 mm
Standard actuator connection: NAMUR [VDI/VDE 3845]
Distance of mounting holes: 80x30 mm
Length drive shaft: 17 mm
With mechanical setting indicator: Yes
Material housing: Aluminium
Surface protection: Powder coating
Material shaft: Stainless steel
O-ring material: NBR
Material konsole: Stainless steel 304
Ambient temperature: -20 / 60 °C

Application

- Feedback of the opening and closing position of manually, pneumatic and hydraulic controlled ball valves, butterfly valves and plug valves.
- Industrial and maritime applications.
- Applications in potentially explosive atmospheres.

Technical Information

- For mounting on actuators with VDI/VDE 3845 connection.
- Aluminum housing IP-67.
- Standard including stainless steel mounting bracket [80 mm x 30 mm x 30 mm (l x w x h)], other dimensions on request [available].
- Optical position indicator [open – closed].
- Equipped with mechanical switches, inductive sensors or REED contacts.
- Suitable for ambient temperatures from -20 °C to +60 °C.
- ATEX versions [Exia-Exd].
- Leakage current, if specified, is the power supply required to operate the switch.

Options

- Optical position indicator for three-way valves with L- or T-bore.
- Mounting kit for the use of manually operated [handle or gearbox] ball valves, butterfly valves or plug valves.

| A | B | C | D | ISO5211 |
|-----|-----|-----|----|---------|
| mm | mm | mm | mm | |
| 118 | 139 | 118 | 17 | F05 |

Temperature

-20 tot +60 °C

| Switch model | Type of switch | Switching function | Number of switches | Supply voltage | Off-state current | Ex-class | Electrical connection | Level of protection (IP value) | Solenoid connection | Article |
|---------------|---------------------|--------------------|--------------------|----------------|-------------------|---|-----------------------|--------------------------------|---------------------|-----------------|
| Mechanical V3 | Mechanical | | 2 | 250 V AC 16A | | II 2G Ex d IIC T6 Gb, II 2D Ex tb III C T85 °C Db | 2x M20x1,5 | IP67 | Yes | 12940914 |
| NBB2-V3-E2 | Inductive 3-wire NO | Normally open [NO] | 2 | 10 - 30 V DC | | II 2G Ex d IIC T6 Gb, II 2D Ex tb III C T85 °C Db | 2x M20x1,5 | IP67 | Yes | EC796530APS-3XD |
| NBB2-V3-Z4L | Inductive 2-wire NO | Normally open [NO] | 2 | 3,7 - 30 V DC | Maximum 0.2 mA | II 2G Ex d IIC T6 Gb, II 2D Ex tb III C T85 °C Db | 2x M20x1,5 | IP67 | Yes | 13280261 |

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| Switch model | Type of switch | Switching function | Number of switches | Supply voltage | Off-state current | Ex-class | Electrical connection | Level of protection (IP value) | Solenoid connection | Article |
|--------------|----------------|--------------------|--------------------|----------------|-------------------|--|-----------------------|--------------------------------|---------------------|-----------------|
| NJ2-V3-N | Inductive | | 2 | | | II 2 G Ex d IIC T6 Gb / II 2 G Ex ia IIC T6 Gb / II 2 D Ex tb IIC T85°C dB | 2x M20x1,5 | IP67 | Yes | 12940915 |
| Reedcontact | Mechanical | | 2 | | | II 2G Ex d IIC T6 Gb, II 2D Ex tb IIC T85 °C Db | 2x M20x1,5 | IP67 | Yes | EC7965300A-RSXD |

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