



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 IIIC 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 IIIC T85 °C Db	2x M20x1,5	IP67	Yes	12940918
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 IIIC 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
NBB3-V3-Z4	Inductive 2-wire NO	Normally open [NO]	2	5 - 60 V DC		II 2G Ex d IIC T6 Gb, II 2D Ex tb III C T85 °C Db	2x M20x1,5	IP67	Yes	12940917
NJ2-V3-N	Inductive		2			Ra = 0.8 µm	2x M20x1,5	IP67	Yes	12940915
Reedcontact	Mechanical		2			II 2G Ex d IIC T6 Gb, II 2D Ex tb III C T85 °C Db	2x M20x1,5	IP67	Yes	12940916

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