

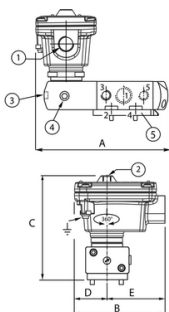


ASCO Pilot valve Namur Type: 33550LPKF serie 551 aluminium explosion proof Ex-d



Features

Quick and easy to fit directly onto pneumatic actuators.
The actuator is protected against aggressive external gases and vapours.
Reliable and long service life.
Suitable for both AC and DC voltage by changing the coil.



Characteristics

Series: 551
Type: 33550LPKF
Model: Namur 3/2 or 5/2 way
Process connection: NAMUR
Size process connection: 1/4" [8]
Air supply connection: Internal thread
Connection standard air supply: NAMUR [VDI/VDE 3845]
Connection air exhaust(s): Internal thread
Function: Mono-stable
Actuation: Indirect-acting
Including plug: Not applicable
Orifice: 6 mm
Kvs value: 0.6 m³/h
Minimum pressure difference: 2 bar
Maximum pressure difference: 10 bar
Housing material: Aluminium
Material quality: P40
Sealing: NBR - PUR
Material coil housing: Aluminium
Working time: 100 %
Level of protection (IP value): IP67
Explosion-proof: Ex db
ATEX Zone: Zone 1 / 21
SIL certified: No
Medium temperature: -25 / 60 °C

Application

- Control valve for pneumatic quarter-turn actuators in potentially explosive environments.

Technical Information

- Minimum required pressure difference 2 bar.
- Explosion-proof in accordance with ATEX and IECEx: DC voltage: II 2 G Ex d IIB+H2 Gb T6, II 2 D Ex t IIIC Db IP67 T85°C.
- Maximum ambient temperature at T6 = 60°C.
- AC voltage: II 2 G Ex d IIB+H2 Gb T6/T5/T4, II 2 D Ex t IIIC Db IP67 T85°C.
- Maximum ambient temperature at T6 = 40°C, T5 = 65°C, T4 = 80°C.

Approval

- EU type-approval certification LCIE 10 ATEX 3043X
- EU type-approval certification IECEx LCI 10.0010X
- TÜV

Options

- Regulator for venting speed.
- Sound absorber.
- Optionally available in accordance with SIL 3: This control valve complies with the functional safety requirements of IEC 61508 and has been approved by TÜV.

Size of air supply connection	Diameter air exhaust	Coil type	Supply voltage	Frequency	Electrical connection	Power	Emergency manual operation	Ex-class	Ambient temperature	Article
1/4" BSP	1/8" NPT	LPKF-M6	24V DC		Cable box with 1/2" NPT cable entry	0.5 W	Impulse manual operator	II 2G Ex db IIB + H2 Gb / II 2D Ex tb IIIC Db - T6	From -40 °C to 60 °C	12455008
1/4" BSP	1/8" NPT	LPKF-M6	230V AC	50/60Hz	Cable box with 1/2" NPT cable entry	2.4 W	Impulse manual operator	II 2G Ex db IIB + H2 Gb / II 2D Ex tb IIIC Db	From -40 °C to 40 °C	13034546
1/4" NPT	1/8" NPT	LPKF-M6	24V DC		Cable box with 1/2" NPT cable entry	0.5 W	Impulse manual operator	II 2G Ex db IIB + H2 Gb / II 2D Ex tb IIIC Db - T6	From -40 °C to 60 °C	12455090

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