pneumatic valve
JH-5-1/2-EX
Part number: 536037

Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	pneumatic
Width	52 mm
Standard nominal flow rate	4,500 l/min
Operating pressure MPa	0 ... 1 MPa
Operating pressure	0 ... 10 bar
Design structure	Poppet seat
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T130°C Db
Explosion-proof ambient temperature	-10°C <= Ta <= +60°C
Explosion protection certification outside the EU	EPL Db (GB)
	EPL Gb (GB)
Nominal size	14 mm
Grid dimension	69 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting
Type of piloting	direct
Pilot air supply	external
Flow direction	non reversible
Overlap	Underlap
Pilot pressure MPa	0.12 ... 1 MPa
Pilot pressure	1.2 ... 10 bar
b value	0.3
Max. switching frequency	12 Hz
Switching time reversal	3 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 60 °C
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 60 °C
Product weight	1,130 g
Mounting type	on manifold rail
	with through hole
	Optional
Auxiliary pilot air port 12	G1/4
Auxiliary pilot air port 14	G1/4

Feature	Value
Scavenging orifice connection	M5
Pilot air port 12	G1/4
Pneumatic connection, port 1	G1/2
Pneumatic connection, port 2	G1/2
Pneumatic connection, port 3	G1/2
Pneumatic connection, port 4	G1/2
Pneumatic connection, port 5	G1/2
Materials note	Conforms to RoHS
Material seals	NBR
	TPE-U(PU)
Material housing	Aluminium die cast