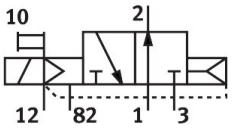
Air solenoid valve
CPE18-M1H-3OLS-1/4

Part number: 163144





Data sheet

Feature	Value
Valve function	3/2-way, monostable, open
Actuation type	Electrical
Width	18 mm
Normal nominal flow rate (normalized to DIN 1343)	1700 l/min
Pneumatic working port	G1/4
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - recognized (OL)
Maritime classification	See certificate
Certificate issuing authority	DNV-TAA000032X UL MH19482
Degree of protection	IP65 With plug socket As per IEC 60529
Nominal width	8 mm
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory Non-detenting
Type of control	Piloted
Pilot air supply port	External
Flow direction	Non-reversible
Valve position ID	Label holder
Lap	Positive overlap
Pilot pressure MPa	0.25 MPa...1 MPa
Pilot pressure	2.5 bar...10 bar
Switching time off	18 ms
On switching time	28 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3300 µs

Feature	Value
Max. negative test pulse on 1 signal	3100 µs
Coil characteristics	24 V DC: 1.5 W
Permissible voltage fluctuations	-15% / +10%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C...50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	150 g
Electrical connection	Type C
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot air port 12	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum