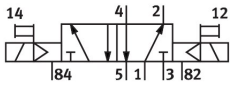
Air solenoid valve
CPE18-M1H-5J-1/4

Part number: 163143





Data sheet

Feature	Value
Valve function	5/2-way, bistable
Actuation type	Electrical
Width	18 mm
Normal nominal flow rate (normalized to DIN 1343)	1500 l/min
Pneumatic working port	G1/4
Operating voltage	24V DC
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Structural design	Piston gate valve
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
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory Non-detenting
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Valve position ID	Label holder
Lap	Positive overlap
Changeover time	13 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3300 µs
Max. negative test pulse on 1 signal	3100 µs
Coil characteristics	24 V DC: 1.5 W
Permissible voltage fluctuations	-15% / +10%

Feature	Value
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
Ambient temperature	-5 °C...50 °C
Product weight	270 g
Electrical connection	Type C
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot exhaust air port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum