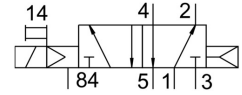


Air solenoid valve CPE18-M1H-5L-1/4

Part number: 163142

FESTO



Data sheet

Feature	Value
Valve function	5/2, monostable
Maritime classification	See certificate
Lap	Overlap
Actuation type	Electrical
Width	18 mm
Standard nominal flow rate	1500 l/min
Pneumatic working port	G1/4
Operating voltage	24V DC
Operating pressure	2.5 bar ... 10 bar
Design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65 With plug socket as per IEC 60529
Certification	c UL us - Recognized (OL)
Nominal width	8 mm
Type code	CPE18
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991023
Valve position ID	Label holder
Switching time off	20 ms
On switching time	26 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 %
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)

Feature	Value
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
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	220 g
Electrical connection	Form 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	G $\frac{1}{4}$
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