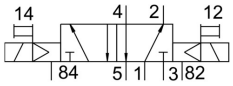
Air solenoid valve
CPE18-M3H-5J-QS-10

Part number: 163803



Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Electrical
Width	18 mm
Standard nominal flow rate	1000 l/min
Pneumatic working port	QS-10
Operating voltage	230V AC
Operating pressure	2 bar ... 10 bar
Structural design	Piston gate valve
Certification	c UL us - Recognized (OL)
Maritime classification	See certificate
Degree of protection	IP65 With plug socket as per IEC 60529
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	00991013
Valve position ID	Label holder
Lap	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	230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA
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

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
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	QS-10
Pneumatic connection 2	QS-10
Pneumatic connection 3	G1/4
Pneumatic connection 4	QS-10
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum