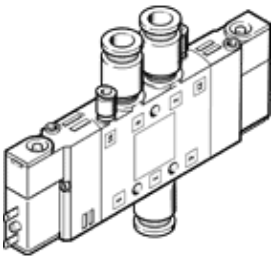
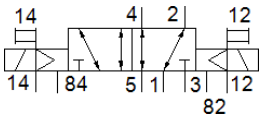
Solenoid valve
CPE14-M1BH-5JS-QS-8

Part number: 196910
Classic - do not use for new projects

High component density
This type is suitable for vacuum.
Modern alternatives can be found by entering the first four characters of the type code in the search field.





Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	14 mm
Standard nominal flow rate	680 l/min
Operating pressure MPa	-0.09 ... 1 MPa
Working pressure	-0.9 ... 10 bar
Design structure	Piston slide
Authorization	c UL us - Recognized (OL)
Maritime classification	see certificate
Protection class	IP65 with plug socket to IEC 60529
Nominal size	6 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	with accessories, detenting Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Valve position identification	Label holder
Lap	Positive overlap
Pilot pressure MPa	0.2 ... 0.8 MPa
Pilot pressure	2 ... 8 bar
Switching time reversal	13 ms
Duty cycle	100% with holding current reduction
Max. positive test pulse with logic 0	1,200 µs
Max. negative test pulse with logic 1	900 µs
Characteristic coil data	24 V DC: 1.28 W
Permissible voltage fluctuation	-15 % / +10 %
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)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-5 ... 50 °C

Feature	Value
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Electrical connection	2-pin
Mounting type	with through hole
Pilot exhaust port 82	M3
Pilot exhaust port 84	M3
Pilot air port 12	M3
Pilot air port 14	M3
Pneumatic connection, port 1	QS-8
Pneumatic connection, port 2	QS-8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	QS-8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast