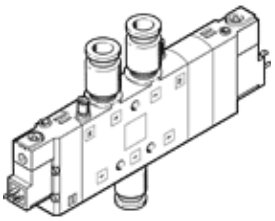
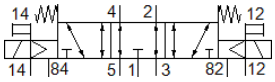
solenoid valve
CPE24-M2H-5/3ES-QS-12

Part number: 170316

FESTO

High component density
This type is suitable for vacuum.





Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Width	24 mm
Standard nominal flow rate	1,600 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	c UL us - Recognized (OL)
Maritime classification	see certificate
Protection class	IP65 with plug socket to IEC 60529
Nominal size	11 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	Inscription label holder
Overlap	Positive overlap
Pilot pressure	2.5 ... 10 bar
Switching time off	55 ms
Switching time on	25 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	3,300 µs
Max. negative test pulse with logic 1	3,100 µs
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA
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
Medium temperature	-5 ... 50 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Electrical connection	Plug pattern type C to EN 175301-803

Feature	Value
Mounting type	with through hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection, port 1	QS-12
Pneumatic connection, port 2	QS-12
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	QS-12
Pneumatic connection, port 5	G3/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast