

Solenoid Valve CPE18-M3H-3GL-QS-10 - Festo 163801

Item no. FES-163801

Manufacturer Festo

EAN 4052568135577

Festo valve for fast, reliable control of compressed-air direction and flow.

TECHNICAL DATA

Actuation type	Electrical
Betriebsdruck max [bar]	10.000000
Certification	IEC 60529
Corrosion resistance class CRC	2 - moderate corrosion stress
Design	Piston pusher
Dichtmaterial	NBR
Durchfluss [l/min]	1000
Funktion	3/2 closed monostable
HS-Code	84812090
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Nennweite DN [mm]	8
Norm	EN 175301-803
Operating conditions	EN 60068-2-27, EN 60068-2-6, ISO 8573-1
Pneumatic connection	QS-10
Protection rating	IP65
Series	CPE18
Temperature (max.)	50
Weight	0.21 kg



STANDARDS & COMPLIANCE

IEC 60529 ISO 8573-1:2010 EN 60068-2-6 EN 60068-2-27 EN 175301-803

DESCRIPTION

Festo valve for fast, reliable control of compressed-air direction and flow. The key technical data of this genuine Festo article are listed below.

Valve function	3/2 closed monostable
Actuation type	Electrical
Build.width [mm]	18
Normal nominal flow [l/min]	1.000
Operating pressure [bar]	2.5 to 10

Construction set up	Piston pusher
Reset mode	Pneumatic spring
Permission	c UL us - Recognized (OL)
Maritime classification	see Certificate
Protection category	IP65 With Socket acc. to IEC 60529
Nominal width [mm]	8
Sealing principle	Soft
installation position	arbitrary
Hand assist actuation	With Accessories ratcheting tentative
Control type	pilot operated
Control air supply	Internal
Flow direction	Not reversible
Valve space - labelling	Sign carrier
Überdeckung	positive Überdeckung
Shifting time off [ms]	18
Shifting time on [ms]	28
Power-on time	100 %
Max. positive test impulse at 0 signal [µs]	3.300
Max. negative test impulse for 1 signal [µs]	3.100
Coil characteristic value	230 V AC: 50/60 Hz, pull-in power 3 VA, holding power 2.4 VA
Permitted voltage oscillations	-15 % / +10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Oscillation strength	Transport use test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with degree of severity 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistant class KBK	2 - moderate corrosion stress
Medium temperature [°C]	-5 to 50
ambient temperature [°C]	-5 to 50
Electrical connection	Wiring diagram Form C acc. to EN 175301-803
Fastening type	With throughway bores
Exhaust control connection 82	M5
Control air 12 connection	M5
Pneumatic connection 1	QS-10

Pneumatic connection 2	QS-10
Pneumatic connection 3	G1/4
Material information	RoHs compliant
Seals material	NBR
Housing material	Aluminium die casting