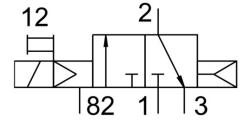


# Air solenoid valve CPE24-M1H-3GL-QS-12

Part number: 163181

**FESTO**



## Data sheet

Feature	Value
Valve function	3/2, closed, monostable
Actuation type	Electrical
Width	24 mm
Standard nominal flow rate	1650 l/min
Pneumatic working port	QS-12
Operating voltage	24V DC
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 bar ... 10 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Certification	c UL us - Recognized (OL)
Maritime classification	See certificate
Degree of protection	IP65 With plug socket as per IEC 60529
Nominal width	11 mm
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	00991655
Valve position ID	Label holder
Lap	Overlap
Switching time off	33 ms
On switching time	50 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)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6

Feature	Value
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
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 air port 12	M5
Pneumatic connection 1	QS-12
Pneumatic connection 2	QS-12
Pneumatic connection 3	G3/8
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum