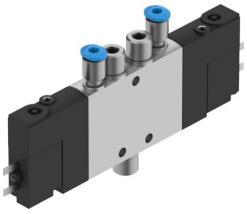
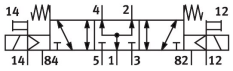
Air solenoid valve
CPE10-M1BH-5/3BS-M5-B

Part number: 533164





Data sheet

Feature	Value
Valve function	5/3-way, pressurized
Actuation type	Electrical
Width	10 mm
Normal nominal flow rate (normalized to DIN 1343)	180 l/min
Pneumatic working port	M5
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - recognized (OL)
Maritime classification	See certificate
Certificate issuing authority	DNV-TAA000032X UL MH19482
Degree of protection	IP65 With plug socket As per IEC 60529
Nominal width	4 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory Non-detenting
Type of control	Piloted
Pilot air supply port	External
Flow direction	Reversible
Valve position ID	Label holder
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa...0.8 MPa
Pilot pressure	3 bar...8 bar
Switching time off	20 ms
On switching time	16 ms
Duty cycle	100% in combination with holding current reduction

Feature	Value
Max. positive test pulse with 0 signal	1200 µs
Max. negative test pulse on 1 signal	900 µs
Coil characteristics	24 V DC: 1.28 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
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
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Electrical connection	2-pin
Type of mounting	With through-hole
Pilot exhaust air port 82	M3
Pilot exhaust air port 84	M3
Pilot air port 12	M3
Pilot air port 14	M3
Pneumatic connection 1	M5
Pneumatic connection 2	M5
Pneumatic connection 3	M7
Pneumatic connection 4	M5
Pneumatic connection 5	M7
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Die-cast aluminum