Solenoid valve CPE24-M1H-3OLS-QS-10

Part number: 163176

Data sheet

Feature	Value
Valve function	3/2 open, single solenoid
Type of actuation	Electric
Construction width	24 mm
Standard nominal flow rate	1250 l/min
pneumatic working port	QS-10
Operating voltage	24V DC
Operating pressure	-0.09 MPa...1 MPa -0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognized (OL)
Maritime classification	See certificate
Certificate issuing authority	DNV-TAA000032X
Degree of protection	IP65 With plug socket To IEC 60529
Nominal size	11 mm
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting via accessory Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	External
Flow direction	Non-reversible
Valve position code	Inscription label holder
lap	Positive overlap
Pilot pressure	0.25 MPa...1 MPa 2.5 bar...10 bar
Switching time off	33 ms
Switching time on	50 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3300 μs
Max. negative test pulse with 1 signal	3100 μs

Feature	Value
Characteristic coil data	24 V DC: 1.5 W
Permissible voltage fluctuations	-15%/+10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C...50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Electrical connection	Type C
Type of mounting	With through-hole
Pilot exhaust port 82	M5
Pilot air port 12	M5
Pneumatic connection, port 1	QS-10
Pneumatic connection, port 2	QS-10
Pneumatic connection, port 3	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium