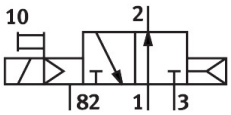
Solenoid valve
CPE24-M3H-3OL-QS-12

Part number: 163848



General operating condition

Data sheet

Feature	Value
Valve function	3/2 open, monostable
Type of actuation	Electric
Construction width	24 mm
Standard nominal flow rate (standardised to DIN 1343)	1650 l/min
pneumatic working port	QS-12
Operating voltage	230V AC
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 bar ... 10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognized (OL)
Maritime classification	See certificate
CE mark (see declaration of conformity)	To EU Low Voltage Directive
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment
Certificate issuing authority	DNV-TAA000032X UL MH19482
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	Internal
Flow direction	Non-reversible
Symbol	00991656
Valve position code	Inscription label holder
lap	Overlap
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
Characteristic coil data	230 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA
Permissible voltage fluctuations	-15%/+10%

Feature	Value
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
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-12
Pneumatic connection, port 2	QS-12
Pneumatic connection, port 3	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium