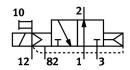
Air solenoid valve CPE24-M3H-3OLS-QS-12 Part number: 163852







Data sheet

General operating condition

| Actuation type Electrical Width 24 mm Standard nominal flow rate 1650 l/min Pheumatic working port Q5-12 Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification C UL us - Recognized (OL) Maritime classification See certificate CET marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) DNV-TAAO00032X UL UL MH19482 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 Pilot controlled Pilot air supply port External Flow direction Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 10 bar Switching time 50 ms Duty cycle 100% Duty cycle 100% Detenting time 50 ms Duty cycle 100% Duty cycle Duty cycle 100% Detenting time 50 ms Duty cycle 100% Detenting time 50 ms Duty cycle 100% Duty cycle 100% Detenting time 50 ms Duty cycle 100% Detenting time 50 ms Duty cycle 100% Detenting time 100% Detenting time 100% Duty cycle 100% Detenting time 100% Duty cycle 100% Duty cycle 100% Detenting time 100% Duty cycle 100% Detenting time 100% Detenting time 100% Duty cycle 100% Detenting time | Feature | Value |
|--|--|---|
| Width 24 mm Standard nominal flow rate 1650 l/min Pneumatic working port Q5-12 Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure 9.09 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification CUL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UKMIH19482 Degree of protection Piessure Soft With plug socket as per IEC 60529 Nominal width Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol Operating Via Pilot-controlled Valve position ID Label holder Lap Overlap Pilot pressure MPa O 2.5 MPa 1 MPa Outly cycle Duty cycle Duty cycle Duty cycle Duty cycle Doms Duty cycle Day AC Oos MPa 1 MPa Oos MAC COS MPa 1 MPa Day Company | Valve function | 3/2, open, monostable |
| Standard nominal flow rate 1650 l/min QS-12 Operating yoltage 220V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Cult us - Recognized (OL) Maritime classification See certificate UKCA marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Ploss Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Piolo-controlled Pilot air supply port External Flow direction Non-reversible Symbol Oo991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Duty cycle 100% | Actuation type | Electrical |
| Pneumatic working port Operating voltage 230V AC Operating pressure Piston gate valve Reset method Pneumatic spring Certification Cull us - Recognized (OL) Maritime classification Cet and classification Cet and classification Cet and classification To UK instructions for electrical equipment Operating (see declaration of conformity) Operating operation Operating operation Operating of electrical equipment Operating operation O | Width | 24 mm |
| Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.99 bar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification c UL us - Recognized (OU) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Pie65 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 External Flow direction Non-reversible Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Duty cycle 100% | Standard nominal flow rate | 1650 l/min |
| Operating pressure Piston gate valve Reset method Pneumatic spring Certification CUL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width II mm Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Duty cycle Duty cycle 100% | Pneumatic working port | QS-12 |
| Operating pressure Cruticural design Piston gate valve Reset method Pneumatic spring Certification Culturing see declaration of conformity) Divertificate issuing authority Divertificate Divertificate issuing authority Divertificate Diver | Operating voltage | 230V AC |
| Structural design Piston gate valve Reset method Pneumatic spring Certification c U. U. s - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Piefo With plus socket as per IEC 60529 Nominal width Sing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure 2.5 bar 10 bar Switching time off On switching time Dout yoycle Duty cycle Pilot controling time Dout sit on the supply one Some Duty cycle Duty cycle Pilot one Cult us - Recognized (OL) As per EU low voltage directive DIV. See certificate Cult us - Recognized (OL) Cult us - Recognized (OL) See certificate Cult us - Recognized (OL) See certificate Cult us - Recognized (OL) Se | Operating pressure | -0.09 MPa 1 MPa |
| Reset method Penumatic spring Certification c UL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) May per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 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 External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure 2.5 bar 1 MPa Pilot pressure 2.5 bar 1 D bar Switching time off On switching time Dout ycycle 100% | Operating pressure | -0.9 bar 10 bar |
| Certification c UL us - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X | Structural design | Piston gate valve |
| Maritime classification CE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Detrificate issuing authority DNY-TAA000032X UL MH19482 Degree of protection P65 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 External Flow direction Non-reversible Symbol Oo991402 Valve position ID Label holder Lap Pilot pressure MPa Pilot pressure 2.5 bar 1 0 bar Switching time Do ms Sol ms Duty cycle 100% | Reset method | Pneumatic spring |
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| Certificate issuing authority DNV-TAA000032X UL MH19482 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 External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time On switching time Duty cycle DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 DAVI H19482 DNV-TAA000032X UL MH19482 Dovetage Soft With plug socket as per IEC 60529 Nominal Plot Davi Any Dove Tap Dove Ta | CE marking (see declaration of conformity) | As per EU low voltage directive |
| Degree of protection P65 | UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| 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 External Flow direction Non-reversible Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 2.5 bar 10 bar Switching time off 33 ms On switching time Duty cycle 100% | Certificate issuing authority | |
| Sealing principle Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Switching time off 33 ms On switching time Duty cycle 100% | Degree of protection | With plug socket |
| Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled External Flow direction Non-reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 10 bar Switching time off On switching time Duty cycle Any Detenting via accessory Non-detenting External Any Detenting via accessory Non-detenting External Detenting via accessory Non-detenting External Any Detenting via accessory Non-detenting External Doverlab 100% | Nominal width | 11 mm |
| Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off On switching time 50 ms Duty cycle 100% | Sealing principle | Soft |
| Non-detenting Type of control Pilot air supply port External Flow direction Non-reversible Symbol O0991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off On switching time Duty cycle Inon-detenting Non-detenting Pilot-controlled External Overlap Overlap Overlap Overlap O.25 MPa 1 MPa So ms | Mounting position | Any |
| Pilot air supply port Flow direction Non-reversible Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time 50 ms Duty cycle 100% | Manual override | |
| Flow direction Non-reversible Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure Switching time off 33 ms On switching time from 50 ms Duty cycle 100% | Type of control | Pilot-controlled |
| Symbol 00991402 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time Duty cycle 100% | Pilot air supply port | External |
| Valve position ID Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time 50 ms Duty cycle Label holder 0.25 MPa 1 MPa 2.5 bar 10 bar 33 ms 100% | Flow direction | Non-reversible |
| Duty cycle Overlap Overlap Overlap O.25 MPa 1 MPa 2.5 bar 10 bar 33 ms 50 ms Duty cycle Overlap Ozerlap Ozerla | Symbol | 00991402 |
| Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time 50 ms Duty cycle 100% | Valve position ID | Label holder |
| Pilot pressure 2.5 bar 10 bar Switching time off 33 ms On switching time 50 ms Duty cycle 100% | Lap | Overlap |
| Switching time off 33 ms On switching time 50 ms Duty cycle 100% | Pilot pressure MPa | 0.25 MPa 1 MPa |
| On switching time 50 ms Duty cycle 100% | Pilot pressure | 2.5 bar 10 bar |
| Duty cycle 100% | Switching time off | 33 ms |
| | On switching time | 50 ms |
| Max. positive test pulse with 0 signal 3300 μs | Duty cycle | 100% |
| | Max. positive test pulse with 0 signal | 3300 μs |

| Feature | Value |
|--|--|
| Max. negative test pulse on 1 signal | 3100 µs |
| Coil characteristics | 230 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA |
| 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 | 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 |