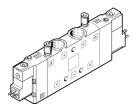
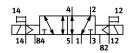
Air solenoid valve CPE24-M2H-5JS-3/8 Part number: 163815







General operating condition

Data sheet

| Actuation type Electrical Width 24 mm Standard nominal flow rate 3200 l/min Pheumatic working port G3/8 Operating voltage 110V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Certification CU us - Recognized (OL) Maritime classification See certificate E marking (see declaration of conformity) MCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DIVY-TAA000032X UL MH19482 Degree of protection Piston gate valve With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function With flow control option Seeling principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot of control Pilot of control Pilot of control Pilot air supply port External Reversible Symbol Oo991016 Valve position ID Label holder Lape Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle Max. negative test pulse with 0 signal | Feature | Value |
|--|--|--|
| Avidath 24 mm Standard nominal flow rate 3200 l/min Penumatic working port 63/8 Operating voltage 110 V AC Operating pressure - 0.09 MPa 1 MPa Operating pressure 9.9 bar 10 bar Structural design Piston gate valve Certification CLU us - Recognized (0L) Maritime classification See certificate EE 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-TAN00032X ULM H19482 Degree of protection Piessure 11 mm Schaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Determine Pilot-controlled Pilot-controlled Pilot-controlled Pilot controlled Pilot control Pilot-controlled Symbol 00991016 Label holder Label holder Label policy pressure MPa 0.2 MPa 1 MPa Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure MPa 0.2 MPa 1 MPa Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs | Valve function | 5/2, bistable |
| Standard nominal flow rate 3200 l/min 63/8 Operating pressure 0.0.9 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Piston gate valve Certification CUL us - Recognized (OL) Maritime classification See certificate Ex 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 UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UN As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate UKCA marking (see declaration of conformity) DNV-TAA000032X UN HI19482 DNV-TAA00032X UN HI19482 DNV-TAA0003X UN HI19482 DNV-T | Actuation type | Electrical |
| Preumatic working port Departing voltage 110 V AC Departing pressure 0.09 MPa 1 MPa Departing pressure 0.9 by a 1 Dear Departing voltage directive 0.0 VIL us - Recognized (OL) 0.0 Working Gee declaration of conformity) 0.0 Working Gee declaration of conformity) 0.0 Work Instructions for electrical equipment 0.0 Certificate issuing authority 0.0 Dev TAA000032X 0.0 LIMH19482 0.0 Degree of protection 0.0 Plots 0.0 With plug socket 0.0 per prefection 0.0 Plots 0.0 per prefection 0.0 Plots 0.0 per prefection 0.0 per prefe | Width | 24 mm |
| Deperating voltage Deperating pressure Operating Op | Standard nominal flow rate | 3200 l/min |
| Departing pressure Description of the pressure Description of the pressure Description of the pressure of th | Pneumatic working port | G3/8 |
| Operating pressure Operating operating of Operating Operating pressure Operating operating of Operating operation Operating Operation Oper | Operating voltage | 110V AC |
| Firtuctural design Piston gate valve Certification c UL us - Recognized (OL) Maritime classification See certificate EE 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 Pieto Soft With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot air supply port External Flow direction Reversible Symbol Oo991016 Valve position ID Label holder Uap Diversure MPa | Operating pressure | -0.09 MPa 1 MPa |
| Certification curverside (DL) Maritime classification See certificate CE marking (see declaration of conformity) As per EU low voltage directive JUKCA 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 Exhaust air function With flow control option Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Pilot air supply port External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal | Operating pressure | -0.9 bar 10 bar |
| 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 Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Ple65 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Pilot controlled Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lape Overlap Pilot pressure Changeover time Detensive How Signal 3300 μs Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal | Structural design | Piston gate valve |
| LE marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection Degree of protection Plo5 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Oo991016 Valve position ID Label holder Lap Pilot pressure MPa O2 MPa 1 MPa Pilot pressure Changeover time 25 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal As positive test pulse on 1 signal | Certification | c UL us - Recognized (OL) |
| DIVECA marking (see declaration of conformity) To UK instructions for electrical equipment DIV-TAA000032X UL MH19482 Degree of protection Degree of protection Degree of protection Nominal width In mm Exhaust air function Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Pilot pressure MPa O2 MPa 1 MPa Pilot pressure Changeover time Date in yie accessory Non-detenting Detenting via accessory Non-detenting Detenting via accessory Non-detenting Pilot-controlled External External Coverlap Overlap Overlap Ditot pressure MPa O2 MPa 1 MPa Date 1 O bar Changeover time Date 1 O bar Starnal Janow | Maritime classification | See certificate |
| DNV-TAA000032X UL MH19482 Degree of protection Ple5 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Iype of control Pilot air supply port External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 Divit Allou Socket as per IEC 60529 Nith plug socket as per IEC 60529 Not H19482 Detenting via accessory Non-detenting via accessory Non-dete | CE marking (see declaration of conformity) | As per EU low voltage directive |
| Degree of protection Degree of protection Degree of protection Degree of protection Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Oo991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure Changeover time 25 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal I mm Limm Pilot mm With flow control option Swith flow control option Swith flow control option Swith flow control option Soft Any With flow control option Swith flow control option Soft Any Any Minual override 10 mm Soft Detenting via accessory Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled External Reversible Symbol Oo991016 Soft Any Oo991016 Soft Down Ooverlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal | UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| With plug socket as per IEC 60529 Nominal width Exhaust air function Sealing principle Mounting position Manual override Mounting position Manual override Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle Max. negative test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal | Certificate issuing authority | |
| Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled External Flow direction Reversible Symbol Oo991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal With flow control option With flow control option Soft Any With flow control option With flow control option Soft Any With flow control option Soft Any Max positive fest pulse with 0 signal Max. negative test pulse on 1 signal | Degree of protection | With plug socket |
| Sealing principle Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Soft Any Detenting via accessory Non-detenting Valor External External External Overlap 0.2 MPa 1 MPa 2 bar 10 bar 3300 µs Max. negative test pulse on 1 signal | Nominal width | 11 mm |
| Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot-controlled External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Any Pilot certain via accessory Non-detenting Pilot-controlled External Reversible Oversible Overlap Overlap 1 bar 2 bar 10 bar 2 bar 10 bar 3300 µs Max. negative test pulse with 0 signal 3100 µs | Exhaust air function | With flow control option |
| Manual overrideDetenting via accessory Non-detentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleSymbol00991016Valve position IDLabel holderLapOverlapPilot pressure MPa0.2 MPa 1 MPaPilot pressure2 bar 10 barChangeover time25 msDuty cycle100%Max. positive test pulse with 0 signal3300 μsMax. negative test pulse on 1 signal3100 μs | Sealing principle | Soft |
| Non-detenting Type of control Pilot air supply port External Flow direction Reversible Symbol O0991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.2 MPa 1 MPa Pilot pressure Changeover time 25 ms Duty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Avarent Non-detenting Non-detenting Avarent Non-detenting Non-detenting Avarent Symbol Overlap | Mounting position | Any |
| Pilot air supply port Flow direction Reversible Symbol 00991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal External | Manual override | |
| Flow direction Reversible 5ymbol 00991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2 bar 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs | Type of control | Pilot-controlled |
| Symbol 00991016 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.2 MPa 1 MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs | Pilot air supply port | External |
| Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3100 µs | Flow direction | Reversible |
| Duty cycle Max. positive test pulse on 1 signal Overlap Overlap O.2 MPa 1 MPa 2 bar 10 bar 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs 3100 µs | Symbol | 00991016 |
| Pilot pressure MPa 0.2 MPa 1 MPa 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs | Valve position ID | Label holder |
| Pilot pressure 2 bar 10 bar Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs | Lap | Overlap |
| Changeover time 25 ms Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs | Pilot pressure MPa | 0.2 MPa 1 MPa |
| Duty cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs | Pilot pressure | 2 bar 10 bar |
| Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse on 1 signal 3100 μs | Changeover time | 25 ms |
| Max. negative test pulse on 1 signal 3100 μs | Duty cycle | 100% |
| | Max. positive test pulse with 0 signal | 3300 μs |
| Coil characteristics 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA | Max. negative test pulse on 1 signal | 3100 μs |
| | Coil characteristics | 110 V AC: 50/60 Hz, initial power 3.0 VA, holding power 2.4 VA |

| Feature | Value |
|--|--|
| 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 |
| Product weight | 390 g |
| Electrical connection | Form C |
| Type of mounting | With through-hole |
| Pilot exhaust air port 82 | M5 |
| Pilot exhaust air port 84 | M5 |
| Pilot air port 12 | M5 |
| Pilot air port 14 | M5 |
| Pneumatic connection 1 | G3/8 |
| Pneumatic connection 2 | G3/8 |
| Pneumatic connection 3 | G3/8 |
| Pneumatic connection 4 | G3/8 |
| Pneumatic connection 5 | G3/8 |
| Note on materials | RoHS-compliant |
| Seals material | NBR |
| Housing material | Die-cast aluminum |