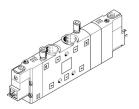
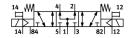
## Air solenoid valve CPE24-M3H-5/3BS-3/8 Part number: 170342







General operating condition

## **Data sheet**

| Valve function 5/3, pressurized Actuation type Electrical Width 24 mm  Standard nominal flow rate 2600 I/min Pneumatic working port G3/8 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 Mechanical spring Certification CUL us - Recognized (OL) Maritime classification 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) 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 Any Manual override Determine Soft Monual override Pilot air supply port External Filow direction Reversible Symbol 00991031 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa Pilot pressure Soft ms Switching time 25 ms  |  |
|--|--|
| Width 24 mm  Standard nominal flow rate 2600 I/min  Pneumatic working port G3/8  Operating voltage 230V AC  Operating pressure -0.09 MPa 1 MPa  Operating pressure -9.9 bar 10 bar  Structural design Piston gate valve  Reset method Mechanical spring  Certification CL Lu 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 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 Any  Manual override Detenting via accessory  Non-detenting  Type of control Pilot-controlled  Pilot air supply port External  Flow direction Reversible  Symbol 00991031  Valve position ID Label holder  Overlap  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure MPa  Pilot pressure  Switching time 0f 55 ms  On switching time  |  |
| Standard nominal flow rate Pneumatic working port G3/8 Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Reset method Mechanical spring Certification culus - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority UI MH19482 Degree of protection II mm Exhaust air function Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction External Flow direction External Flow direction Certificate Some Develop Develop Detenting via accessory Non-detenting Type of control Pilot controlled Pilot air supply port External Flow direction Reversible Symbol Uave position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time 25 ms   |  |
| Pneumatic working port Operating voltage 230V AC Operating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design Reset method Mechanical spring Certification Cettification Cettification See certificate CE marking (see declaration of conformity) UKCA marking (see declaration of conformity) To Uk instructions for electrical equipment Certificate issuing authority UKCA marking (see declaration of conformity) DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 11 mm Exhaust air function 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 Symbol O0991031 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Switching time 25 ms  |  |
| 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       Mechanical spring         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       DNY-TAA000032X         UL MH19482       UL MH19482         Degree of protection       IP65         With plug socket as per IEC 60529       With flow control option         Sealing principle       Soft         Mounting position       Any         Manual override       Detenting via accessory         Non-detenting       Non-detenting         Type of control       Pilot-controlled         Pilot air supply port       External         Flow direction       Reversible         Symbol       00991031         Valve position ID       Label holder         Lap       Overlap         Pilot pressure       2.5 bar 10 bar     <   |  |
| Operating pressure Reset method Mechanical spring Certification Certification 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 Operating authority Operating authority Dividade operation Degree of protection IP65 With plug socket as per IEC 60529 Nominal width In mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Operating via accessory Non-detenting Type of control Pilot air supply port External Flow direction Symbol Valve position ID Label holder Lap Overlap Pilot pressure On switching time On switching time Operating Vias accessore Operating via accessore Operating via accessore Operating via accessory Operation via  |  |
| Operating pressure -0.9 bar 10 bar Structural design Reset method Mechanical spring Certification Cut Lus - Recognized (OL) Maritime classification See certificate CE marking (see declaration of conformity) MCA 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 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 Reversible Symbol Oo991031 Valve position ID Label holder Lap Pilot pressure Pilot pressure MPa Pilot pressure Pilot press     |  |
| Structural design Piston gate valve  Reset method Mechanical spring  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 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 Any  Manual override Detenting via accessory Non-detenting  Type of control Pilot-controlled  Pilot air supply port External  Flow direction Reversible  Symbol Use 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   |  |
| Reset method Mechanical spring 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 UL MH19482  Degree of protection IP65 With plug socket as per IEC 60529  Nominal width 11 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure Pilot pres |  |
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| 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  DNV-TAA000032X  UL MH19482  Degree of protection  Pies  With plug socket as per IEC 60529  Nominal width  11 mm  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot air supply port  External  Flow direction  Reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure  MPa  Pilot pressure  Des Catting time off  On switching time  25 ms  On switching time  25 ms   |  |
| CE marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  Certificate issuing authority  DNV-TAA000032X UL MH19482  Degree of protection  IP65 With plug socket as per IEC 60529  Nominal width  I1 mm  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot air supply port  External  Flow direction  Symbol  Valve position ID  Lap  Pilot pressure  MPa  Pilo |  |
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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  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot air supply port  External  Flow direction  Reversible  Symbol  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  DNV-TAA000032X UL MH19482  IP65 With plug socket as per IEC 60529  Nith flow control option  Soft  Any  Manual overriol option  External  Flow direction  Reversible  Overlap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  Switching time off  On switching time  25 ms  |  |
| Degree of protection  IP65 With plug socket as per IEC 60529  Nominal width  In mm  Exhaust air function Sealing principle Soft  Mounting position Manual override Detenting via accessory Non-detenting  Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991031  Valve position ID Label holder Lap Overlap Pilot pressure |  |
| 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  Type of control Pilot-controlled  Pilot air supply port External  Flow direction Reversible  Symbol 00991031  Valve position ID Label holder  Lap Overlap  Pilot pressure MPa 0.25 MPa 1 MPa  Pilot pressure MPa 55 ms  On switching time off 55 ms   |  |
| Exhaust air function  Sealing principle  Soft  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991031  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  Oswitching time  25 ms   |  |
| 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  O0991031  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  55 ms  On switching time  25 ms  |  |
| Mounting position  Any  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991031  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  Switching time off  55 ms  On switching time  25 ms   |  |
| Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991031  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  Switching time off  Detenting via accessory Non-detenting  Pilot-controlled  External  Reversible  O0991031  Copyright  Overlap  Overlap  Overlap  Symbol  On switching time off  Detenting via accessory Non-detenting  Pilot-controlled  External  Reversible  Symbol  O0991031  Substitution  Overlap  Overlap  Ozerlap      |  |
| Non-detenting  Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991031 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure Switching time off 55 ms On switching time 25 ms  |  |
| Pilot air supply port External Flow direction Reversible Symbol 00991031 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 55 ms On switching time 25 ms   |  |
| Flow direction Reversible  Symbol 00991031  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 55 ms  On switching time 25 ms   |  |
| Symbol 00991031  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 55 ms  On switching time 25 ms  |  |
| Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  55 ms  On switching time  25 ms  |  |
| Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 55 ms On switching time 25 ms   |  |
| Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 55 ms On switching time 25 ms   |  |
| Pilot pressure 2.5 bar 10 bar  Switching time off 55 ms  On switching time 25 ms   |  |
| Switching time off 55 ms On switching time 25 ms   |  |
| On switching time 25 ms  |  |
|  |  |
| Taran da   |  |
| 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 ℃ 50 ℃  |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature                      | -5 ℃ 50 ℃  |
| Product weight                           | 430 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  |