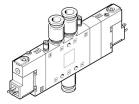
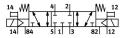
Air solenoid valve CPE18-M3H-5/3GS-QS-10 Part number: 170332

FESTO





General operating condition

Data sheet

| Actuation type Electrical Midth 18 mm Standard nominal flow rate 1050 l/min Pheumatic working port Operating voltage 230V AC Operating pressure Operating time Operating pressure Operating pressure Operating pressure Operating time Operating ti | Feature | Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------|
| Note that the second se | Valve function | 5/3, closed |
| Standard nominal flow rate Pneumatic working port QS-10 Qperating pressure QDerating Querating QDerating QDera | Actuation type | Electrical |
| Preumatic working port Deparating voltage 230V AC Operating pressure -0.99 MPa 1 MPa -0.9 bar 1 O bar Structural design Reset method Mechanical spring Certification Cultus - Recognized (OL) Maritime classification Cettrification See certificate CE marking (see declaration of conformity) CET marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Degree of protection With plug socket as per IEC 60529 Nominal width 8 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 P | Width | 18 mm |
| Deperating voltage 230V AC Deperating pressure -0.09 MPa 1 MPa Operating pressure -0.9 bar 10 bar Structural design -0.9 bar 10 bar Reset method -0.9 bar 10 ba | Standard nominal flow rate | 1050 l/min |
| Operating pressure Operating operating pressure Operating operating pressure Operating Operating pressure Operating Operating operating pressure Operating Oper | Pneumatic working port | QS-10 |
| Operating pressure Operating past valve Operating pressure Operating Operation Ope | Operating voltage | 230V AC |
| Structural design Piston gate valve Reset method Mechanical 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 DINY-TAA000032X UL MH19482 Degree of protection Pic65 With plug socket as per IEC 60529 Nominal width Smm Exhaust air function Soft Mounting position Any Manual override 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 Pilot pressure 2.5 bar 1 MPa Pilot pressure Switching time On Switching time Do ms witching time Do ms witching time 20 ms Douty cycle Douty cycle Pilot control gill bar 1 MPa Pilot pressure Douty cycle Douty cycle Pilot pressure Do ms | Operating pressure | -0.09 MPa 1 MPa |
| Reset method Mechanical spring Certification c UL us - Recognized (OL) Maritime classification See certificate Et marking (see declaration of conformity) As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for electrical equipment DECERTIFICATE issuing authority DNV-TAA000032X UL MH19482 UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width S mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting IP90 of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991020 Valve position ID Label holder Lap Detenting via position Overlap Pilot pressure Despite Soft 1 MPa Despite position IP9 Despite Soft 1 MPa Despite position IP9 Despite pressure Despite Soft 1 MPa Despite position IP9 Despite position IP9 Despite pressure Despite Soft 1 MPa Despite position IP9 Despite pressure Despite position IP9 Despite p | 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 DNV-TAA000032X UL MH19482 Degree of protection IP65 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override IP60 Detenting via accessory Non-detenting IP90 of control Pilot air supply port External Flow direction Reversible Symbol Oo991020 Valve position ID Label holder Lap Pilot pressure Overlap Pilot pressure Switching time off On switching time Douty cycle LIC us in Table 100% Descripticate See certificate See certificate Our Non-Tacognized (OL) As per EU low voltage directive Uk instructions See a certificate See certificate Our Non-Tacognized (OL) As per EU low voltage directive See certificate See certificate Our Non-Tacognized Out Non-Tacognized Out Non-Tacognized Out Non-Tacognized Out See certificate See certificate See certificate Out Non-Tacognized Out Non-Ta | 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) DIV. TAA000032X UL MH19482 Degree of protection Degree of protection Nominal width Sexhaust air function Sealing principle Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot surply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Pilot pressure MPa Pilot pressure 2.5 bAr 1 MPa Switching time off On switching time Douty cycle DIV. As per EU low voltage directive To UK instructions on UK instructions or electrical equipment To UK instructions for electrical equipment To UK instructions on UK instructions or electrical equipment To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 Degree of protection as per EU 60529 Switching time off on UK instructions for electrical equipment To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 DNV-TAA00032X UL MH19482 | Reset method | Mechanical spring |
| EE marking (see declaration of conformity) As per EU low voltage directive DKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Degree of protection Degree of protection P65 With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991020 Valve position ID Label holder Lap Pilot pressure MPa Overlap Pilot pressure 2.5 bar 1 MPa Switching time Duty cycle 100% | Certification | c UL us - Recognized (OL) |
| DUKCA marking (see declaration of conformity) Certificate issuing authority DNV-TAA000032X UL MH19482 Degree of protection Degree of protection Degree of protection Nominal width Exhaust air function Sealing principle Soft Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot air supply port External Flow direction Reversible Symbol Oug91020 Valve position ID Label holder Lap Pilot pressure MPa Pilot pressure Switching time off On switching time Duty cycle DIVI AM100032X UL MH19482 DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 DNV-TAA000032X UL MH19482 BYM5 Plots With plug socket as per IEC 60529 With | Maritime classification | See certificate |
| Degree of protection P | CE marking (see declaration of conformity) | As per EU low voltage directive |
| Degree of protection Nominal width Exhaust air function With flow control option 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 Oo991020 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off On switching time Douty cycle 100% | UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| With plug socket as per IEC 60529 Nominal width 8 mm Exhaust air function With flow control option Sealing principle Soft Mounting position Any Manual override Detenting via accessory Non-detenting via accessory via access | Certificate issuing authority | |
| 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 Oo991020 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure MPa Pilot pressure Switching time off 38 ms On switching time Duty cycle Use Minimum Any With flow control option Soft With flow control option Soft With flow control option Soft Any With flow control option Soft Soft Any Overlang Pilot-controlled External External Overlap Overlap Pilot pressure MPa 2.5 bar 1 MPa 2.5 bar 1 0 bar 38 ms On switching time Duty cycle 100% | 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 O0991020 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off 38 ms On switching time Duty cycle 100% | Nominal width | 8 mm |
| Mounting position Manual override Detenting via accessory Non-detenting Type of control Pilot-controlled External Flow direction Reversible Symbol Valve position ID Label holder Duty pressure MPa Pilot pressure Switching time off Duty cycle Duty cycle Detenting via accessory Non-detenting Detenting via accessory Non-detenting Detenting via accessory Non-detenting Detenting via accessory Non-detenting Val accessory Non-detenting Val accessory Non-detenting External Reversible Oversible Oversible Overlap Overlap 38 ms 20 ms Duty cycle 100% | Exhaust air function | With flow control option |
| Manual override Detenting via accessory Non-detenting Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 38 ms Duty cycle 100% | Sealing principle | Soft |
| Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991020 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure Pilot pressure Switching time off On switching time Duty cycle Non-detenting Non-detenting Pilot-controlled External O0991020 Oversible O0991020 Overlap Overlap Overlap O.25 MPa 1 MPa 2.5 bar 10 bar Switching time off On switching time On | Mounting position | Any |
| Pilot air supply port Flow direction Reversible Symbol Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Duty cycle External Reversible O0991020 Label holder Overlap Overlap 0.25 MPa 1 MPa 2.5 bar 10 bar 38 ms On switching time 100% | Manual override | |
| Reversible Symbol O0991020 Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off On switching time 20 ms Duty cycle Reversible Reversible O0991020 Label holder Overlap Overlap Overlap 2.5 bar 1 MPa 2.5 bar 10 bar 38 ms On switching time 100% | Type of control | Pilot-controlled |
| Symbol 00991020 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 38 ms On switching time 20 ms Duty cycle 100% | Pilot air supply port | External |
| Valve position ID Label holder Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 38 ms On switching time 20 ms Duty cycle 100% | Flow direction | Reversible |
| Duty cycle Overlap Overlap O.25 MPa 1 MPa 2.5 bar 10 bar 38 ms 20 ms Duty cycle Overlap Overla | Symbol | 00991020 |
| Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 38 ms On switching time 20 ms Duty cycle 100% | Valve position ID | Label holder |
| Pilot pressure 2.5 bar 10 bar Switching time off 38 ms On switching time 20 ms Duty cycle 100% | Lap | Overlap |
| Switching time off 38 ms On switching time 20 ms Duty cycle 100% | Pilot pressure MPa | 0.25 MPa 1 MPa |
| On switching time 20 ms Duty cycle 100% | Pilot pressure | 2.5 bar 10 bar |
| Duty cycle 100% | Switching time off | 38 ms |
| , , | On switching time | 20 ms |
| | Duty cycle | 100% |
| Max. positive test pulse with 0 signal 3300 µs | 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 ℃ |
| 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 | QS-10 |
| Pneumatic connection 2 | QS-10 |
| Pneumatic connection 3 | G1/4 |
| Pneumatic connection 4 | QS-10 |
| Pneumatic connection 5 | G1/4 |
| Note on materials | RoHS-compliant |
| Seals material | NBR |
| Housing material | Die-cast aluminum |