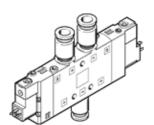
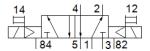
Solenoid valve CPE24-M2H-5J-QS-10 Part number: 163819 Classic - do not use for new projects

High component density

Modern alternatives can be found by entering the first four characters of the type code in the search field.





FESTO

Data sheet

| Working pressure 2 10 bar Design structure Piston slide Authorization c UL us - Recognized (OU) Maritime classification CE symbol (see declaration of conformity) WICKA marking (see declaration of conformity) Protection class IP65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Soft Assembly position Manual override With accessories, detenting Pushing Pilot air supply Internal In | Feature | Value |
|--|--|---|
| Width 24 mm Standard nominal flow rate 1,250 l/min Operating pressure MPa 0.2 1 MPa Working pressure 2 10 bar Design structure Piston slide Authorization clu Lus - Recognized (OL) Maritime classification clu Lus - Recognized (OL) See certificate Es symbol (see declaration of conformity) according to EU low voltage guideline UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Protection class Piess with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function throttleable soft Assembly position Any Manual override with accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal 25 ms Compressed air in accordance with ISO8573-1:2010 [7:4:4] Utbricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock resistance Shock resistance classification CRC 2 Moderate corrosion stress VDMA24364-B/182-L Medium temperature 5 50 °C Corrosion resistance classification CRC | Valve function | 5/2 bistable |
| Standard nominal flow rate Operating pressure MPa O.2 1 MPa Ockning pressure MPa O.2 1 MPa Ockning pressure MPa O.3 1 MPa Design structure Piston silide Authorization C U. U. s- Recognized (OL) Maritime classification See certificate CE symbol (see declaration of conformity) To UK Instructions for electrical equipment Protection class P65 with plug socket to 1EC 60529 Nominal size In mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override Pushing Pilot air supply Internal Flow direction Internal Flow direction Lap Positive overlap Switching time reversal Duty cycle Duty cycle Max. positive everlap positive with logic O Max. pestive test pulse with logic O Max. pestive test pulse with logic O Max. pestive resistance Flood presidence with FN 942017-5 and EN Shock resistance Shock resistance Shock resistance Corrosion resistance classification CRC VDMA22464-B1/B2-L WOMA22464-B1/B2-L WOMA24364-B1/B2-L WOMA24364-B1/B2-L | Type of actuation | electrical |
| Operating pressure MPa Oz 1 MPa Working pressure 2 10 bar Design structure Piston slide Authorization Authorization Authorization See certificate CE symbol (see declaration of conformity) UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Protection class Pf65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Sasembly position Manual override With accessories, detenting Pushing Ploted Pilot air supply Internal Flow direction Jaye Positive overlap Switching time reversal Duty cycle 100% Max. negative test pulse with logic 0 Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Any coperating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Flook resistance Shock resistance Shock resistance Corrosion resistance classification CRC PMS Conformity VDMA24364-B1/B2-L Medium temperature 5 50 °C VDMA24364-B1/B2-L Medium temperature Ju Day Case of Since and Since | Width | 24 mm |
| Working pressure 2 10 bar Design structure Piston slide Authorization c U. U. s- Recognized (OL) Maritime classification See certificate CE symbol (see declaration of conformity) To UK instructions for electrical equipment Protection class P65 with plug socket to 1EC 60529 Nominal size 11 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction on non reversible Valve position identification Lap Positive overlap Switching time reversal 25 ms Duty cycle 100 % Max. regative test pulse with logic 0 3,300 µs Max. regative test pulse with logic 1 3,100 µs Max. regative test pulse with logic 1 3,100 µs Max. regative test pulse with logic 1 3,100 µs Characteristic coil data 1 10 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance Corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature 5-5 50 °C VDMA24364-B1/B2-L Medium temperature 5-5 50 °C VDMA24364-B1/B2-L | Standard nominal flow rate | 1,250 l/min |
| Design structure Authorization CUL us - Recognized (OL) Authorization See certificate CE symbol (see declaration of conformity) According to EU low voltage guideline UKCA marking (see declaration of conformity) To UK instructions for electrical equipment Protection class Protection class IP65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Label holder Lap Positive overlap Switching time reversal Duty cycle Max. negative test pulse with logic 0 Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Shaust-air function Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Co | Operating pressure MPa | 0.2 1 MPa |
| Authorization curson classification c CUL us - Recognized (OL) Maritime classification | Working pressure | 2 10 bar |
| Maritime classification CE symbol (See declaration of conformity) DIVEA marking (see declaration of conformity) Protection class IP65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Assembly position Any Manual override With accessories, detenting Pushing Internal Flow direction Label holder Lap Positive overlap Switching time reversal Duty cycle Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation June Valor Permissible voltage fluctuation Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Flook deresistance Shock resistance Shock resistance VDMA24364-BI/B2-L Medium temperature For Compression VDMA24364-BI/B2-L Medium temperature | Design structure | Piston slide |
| CE symbol (see declaration of conformity) according to EU low voltage guideline URCA marking (see declaration of conformity) To UK instructions for electrical equipment Protection class IP65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Pushing Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal 25 ms Duty cycle 100 % Max. positive test pulse with logic 0 3,300 μs Max. negative test pulse with logic 1 3,100 μs Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation 15 % / 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) | Authorization | c UL us - Recognized (OL) |
| UKCA marking (see declaration of conformity) Protection class IP65 with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Pushing Pushing Plioted Plioted Pliot air supply Internal Flow direction Non reversible Valve position identification Lap Duty cycle Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance OVMAC4364-B1/B2-L Medium temperature Medium temperature To MK (VMAC4364-B1/B2-L Medium temperature VMAC4364-B1/B2-L Medium temperature VIDMAC4364-B1/B2-L Medium temperature VIDMAC450-FC VMAC4364-B1/B2-L Medium temperature VIDMAC4364-B1/B2-L Medium temperature | Maritime classification | see certificate |
| Protection class with plug socket to IEC 60529 Nominal size 11 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override with accessories, detenting Pushing Type of piloting Piloted Piloted Internal Int | CE symbol (see declaration of conformity) | according to EU low voltage guideline |
| with plug socket to IEC 60529 Nominal size Exhaust-air function throttleable Sealing principle Sealin | UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| to IEC 60529 Nominal size Exhaust-air function Exhaust-air function Sealing principle Any Manual override With accessories, detenting Pushing Type of piloting Piloted Piloted Pilot air supply Internal Flow direction Any Any Positive overlap Switching time reversal Duty cycle Max. postive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation 1.5 % / +10 % Operating medium Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Medium temperature V DMA24364-BI/B2-L Medium temperature Medium temperature | Protection class | IP65 |
| to IEC 60529 Nominal size Exhaust-air function Exhaust-air function Sealing principle Any Manual override With accessories, detenting Pushing Type of piloting Piloted Piloted Pilot air supply Internal Flow direction Any Any Positive overlap Switching time reversal Duty cycle Max. postive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation 1.5 % / +10 % Operating medium Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Medium temperature V DMA24364-BI/B2-L Medium temperature Medium temperature | | with plug socket |
| Exhaust-air function throttleable soft Sealing principle soft Assembly position Any Manual override with accessories, detenting Pushing Pushing Pushing Pushing Piloted Piloted Piloted Piloted Piloted Piloted Piloted Piloted Piloted Position In on reversible Position identification Label holder Lap Positive overlap Positive overlap Positive overlap Positive everlap Positive ever | | |
| Sealing principle Assembly position Any Manual override With accessories, detenting Pushing Pushing Type of piloting Piloted Piloted Piloted Piloted Pilot air supply Internal Flow direction Inon reversible Valve position identification Label holder Lap Positive overlap Switching time reversal 25 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Max. negative test pulse with logic 1 Max. regative test pulse with logic 1 Max. positive vest pulse with logic 1 Max. positive test pulse with logic 1 Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | Nominal size | 11 mm |
| Assembly position Manual override Mith accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 3,300 µs Max. negative test pulse with logic 1 Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation 1-5 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity Medium temperature -5 50 °C | Exhaust-air function | throttleable |
| Assembly position Manual override Mith accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 3,300 µs Max. negative test pulse with logic 1 Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation 1-5 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity Medium temperature -5 50 °C | Sealing principle | soft |
| Manual overridewith accessories, detenting PushingType of pilotingPilotedPilot air supplyInternalFlow directionnon reversibleValve position identificationLabel holderLapPositive overlapSwitching time reversal25 msDuty cycle100 %Max. positive test pulse with logic 03,300 μsMax. negative test pulse with logic 13,100 μsCharacteristic coil data110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VAPermissible voltage fluctuation-15 % / +10 %Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressPWIS conformityVDMA24364-B1/B2-LMedium temperature-5 50 °C | | Anv |
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| Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal 25 ms Duty cycle 100 % Max. positive test pulse with logic 0 3,300 μs Max. negative test pulse with logic 1 3,100 μs Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | | Pushing |
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| Flow direction non reversible Valve position identification Label holder Lap Positive overlap Switching time reversal 25 ms Duty cycle 100 % Max. positive test pulse with logic 0 3,300 μs Max. negative test pulse with logic 1 3,100 μs Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | | Internal |
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| Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | | |
| Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | | · |
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| 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | | operation) |
| 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | Vibration resistance | |
| Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | Shock resistance | |
| PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C | Corrosion resistance classification CRC | · · · · · · · · · · · · · · · · · · · |
| Medium temperature -5 50 °C | | |
| | , | |
| | Ambient temperature | -5 50 °C |

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| Feature | Value |
|------------------------------|--------------------------------------|
| Electrical connection | Plug pattern type C to EN 175301-803 |
| Mounting type | with through hole |
| Pilot exhaust port 82 | M5 |
| Pilot exhaust port 84 | M5 |
| Pilot air port 12 | M5 |
| Pilot air port 14 | M5 |
| Pneumatic connection, port 1 | QS-10 |
| Pneumatic connection, port 2 | QS-10 |
| Pneumatic connection, port 3 | G3/8 |
| Pneumatic connection, port 4 | QS-10 |
| Pneumatic connection, port 5 | G3/8 |
| Materials note | Conforms to RoHS |
| Material seals | NBR |
| Material housing | Aluminum die cast |