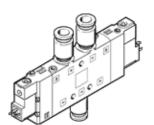
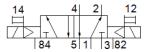
Solenoid valve CPE24-M3H-5J-QS-12 Part number: 163851 Classic - do not use for new projects

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 1.650 l/min Operating pressure MPa 0.2 IMPa Working pressure 2 10 bar Design structure Piston slide Authorization clu Lus - Recognized (OL) Maritime classification clu Lus - Recognized (OL) See certificate Esymbol (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 Switching time reversal 25 ms Switching time reversal 25 ms Switching time reversal 23 ms Duty cycle 100% Max. positive test pulse with logic 0 3,300 µs Max. positive test pulse with logic 1 3,100 µs Characteristic coil data 230 V AC: 50 /60 Hz, pick-up power 3 VA, holding power 2.4 VA Permissible voltage fluctuation Lubel braced are 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 Shock resistance Shock resistance Lassification CRC 2 Moderate corrosion stress VDMA 24364-B/B2-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 Overking pressure MPa O.2 1 MPa Oscing 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 Type of piloting Pilota air supply Internal Flow direction Label holder Lap 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 operating mendium Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock resistance Shock resistance FMSC of MAX2446-B1/B2-L Medium temperature 5 50 °C VDMA24364-B1/B2-L Medium temperature Ju Date of the control of the	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 Assensible voltage fluctuation Comperation and pilot medium Compressed air in accordance with FN 942017-5 and EN George Townson reversible conformity conformity operation resistance FNOOK re	Standard nominal flow rate	1,650 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 Permissible voltage fluctuation Lubricated operating and pilot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Shock resistance Corrosion resistance Log Max Positive ecords under the FN 942017-5 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance Farangoria Max Positive See See See See See See See See See S	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 Departing medium Note on operating and pilot medium Vibration resistance Shock resistance Medium temperature Medium temperature Medium temperature Find Corror or Composition or Conformity According to EU low voltage guideline 10 W Instruction social service all pulse with logic 1 Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Lassification CRC Publica carding to EU low voltage guideline 15 M-C V DMA24364-BI/B2-L Medium temperature S 50 °C With instructions or lectrical equipment To UK instructions of electrical equipment To UK instructions of electrical equipment To UK instructions of electrical equipment In the Info of Control	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 230 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 Protection class Protection class Protection class Nominal size 11 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override With accessories, detenting Pushing Pushing Plioted Piloted Piloted Piloted Pilot air supply Internal Flow direction Non reversible Valve position identification Lap Positive overlap Switching time reversal Duty cycle 100 % 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 Prositive verlap in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Powincaferication Scot Compressed Powincaferication test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity Medium temperature 5 - 5. 0 °C Wind Associated Scot Canada	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 soft Assembly position Any Manual override with accessories, detenting Pushing Type of piloting Piloted Positive overlap Switching time reversal	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
to IEC 60529 \text{Nominal size} \text{Exhaust-air function} \text{Sealing principle} \text{Sealing principle} \text{Any} \text{Manual override} \text{Manual override} \text{Mith accessories, detenting} \text{Pushing} \text{Type of piloting} \text{Piloted} \	Protection class	IP65
to IEC 60529 \text{Nominal size} \text{Exhaust-air function} \text{Sealing principle} \text{Sealing principle} \text{Any} \text{Manual override} \text{Manual override} \text{Mith accessories, detenting} \text{Pushing} \text{Type of piloting} \text{Piloted} \		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 identification Label holder Lap Positive overlap Positive overlap Positive overlap Positive overlap Positive everlap Posit		
Sealing principle Assembly position Any Manual override With accessories, detenting Pushing Pushing Type of piloting Piloted Piloted Pilot air supply Internal Flow direction Inon reversible Valve position identification Label holder Lap Switching time reversal 25 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Angeative test pulse with logic 1 Angeative test pulse with logic 1 Angeative 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 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 Corrosion resistance classification CRC PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C	Nominal size	11 mm
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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 3,100 µs Characteristic coil data 230 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 Lubricated 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 data230 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
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 230 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		· · · · · · · · · · · · · · · · · · ·
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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 230 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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60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress PWIS conformity VDMA24364-B1/B2-L Medium temperature -5 50 °C	Vibration resistance	
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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-12
Pneumatic connection, port 2	QS-12
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	QS-12
Pneumatic connection, port 5	G3/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast