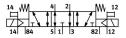
Air solenoid valve CPE18-M2H-5/3ES-1/4 Part number: 170286







General operating condition

Data sheet

Valve function 5/3, exhausted Actuation type Electrical Width 18 mm Standard nominal flow rate 1200 l/min Pneumatic working port G1/4 Operating pressure 10.09 Mar. 1 MPa Operating pressure -0.09 Mar. 1 MPa Operating pressure -0.9 bar 1 0 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 UNCA marking (see declaration of conformity) To UK instructions for electrical equipment Certificate issuing authority DNA-TAA00032X UL MH19482 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 Determine Soft Mounting position Pilot controlled Pilot air supply port External Flow direction Reversible Symbol 00991032 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure MPa 0.75 MPa 1 MPa Pilot pressure MPa 10 ms with figure 100 ms Polity cycle 100%	Feature	Value
Width 18 mm Standard nominal flow rate 1200 l/min Pneumatic working port 61/4 Operating yottage 110 V 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 CUL. us - Recognized (DL) 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 Piece of protection With plug socket as per IEC 60529 Nominal width 8 mm Sealuing principle Soft Mounting position Any Manual override Determine Soft Mounting position Any Manual override Pilot controlled Pilot controlled Pilot air supply port External Flow direction Reversible Symbol 00991032 Valve position ID Label holder Lap Overlap Pilot pressure MPA Switching time 0f 00 mswitching time Switching time of 00 mswitching time Switching time of 00 mswitching time Switching time of 00 mswitching time Overlap On mswitching time Overlap On mswitching time Overlap On mswitching time	Valve function	5/3, exhausted
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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-TAAO00032X 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 Detenting via accessory Non-detenting Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol O0991032 Valve position ID Label holder Lap Pilot pressure MPa Pilot pressure MPa Pilot pressure MPa Pilot pressure 2.5 bar 10 bar Switching time off 38 ms	Operating pressure	-0.09 MPa 1 MPa
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Pilot air supply port External Flow direction Reversible Symbol 00991032 Valve position ID Label holder Lap Overlap Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure Switching time off 38 ms On switching time 20 ms	Manual override	
Flow direction Reversible Symbol 00991032 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	Type of control	Pilot-controlled
Symbol 00991032 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	Pilot air supply port	External
Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 38 ms On switching time 20 ms	Flow direction	Reversible
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	Symbol	00991032
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	Valve position ID	Label holder
Pilot pressure 2.5 bar 10 bar Switching time off 38 ms On switching time 20 ms	Lap	Overlap
Switching time off 38 ms On switching time 20 ms	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 20 ms	Pilot pressure	2.5 bar 10 bar
	Switching time off	38 ms
Duty cycle 100%	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	110 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	280 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	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Pneumatic connection 4	G1/4
Pneumatic connection 5	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum