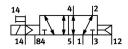
## Air solenoid valve CPE18-M3H-5LS-1/4 Part number: 163790







General operating condition

## **Data sheet**

Actuation type  Electrical  Midth  18 mm  Standard nominal flow rate  1500 l/min  Pheumatic working port  Operating voltage  Operating pressure  Operating time oft  Operating time  O	Feature	Value
Note that the second protection of conformity) Instruction for electrical equipment (Sealing and Informating Sealing protection of conformity) Instruction for electrical equipment (Sealing principle Soft With plug socket as per life Cooksya Michael Soft (Sealing protection P	Valve function	5/2, monostable
Standard nominal flow rate   1500 l/min   Pneumatic working port   61/4   Derating pressure   0.09 MPa 1 MPa   Deprating pressure   0.99 mPa 1 MPa   Deprating principle   0.95 mPa 1 MPa   Deprating princip	Actuation type	Electrical
Preumatic working port Departing voltage 230V AC Departing pressure -0.99 MPa 1 MPa Departing pressure -0.99 Mar 10 bar Structural design Piston gate valve Reset method Pneumatic spring Certification Certification Certification See certificate CER marking (see declaration of conformity) CER marking (see declaration of conformity) DIV. TAAO00032X UL MH19482 Degree of protection Div. The South of th	Width	18 mm
Deperating voltage 230V AC Deperating pressure -0.09 MPa 1 MPa Deperating pressure -0.9 bar 10 bar Structural design -0.9 bar 10 bar Reset method -0.9 bar 10 bar	Standard nominal flow rate	1500 l/min
Operating pressure Operating operation Operating Operating operation Operating Operating operation Operating Op	Pneumatic working port	G1/4
Operating pressure  Operating pressure  Operating pressure  Operating pressure  Piston gate valve  Reset method  Pneumatic spring  Cettification  c UL us - Recognized (OL)  Maritime classification  See certificate  CE marking (see declaration of conformity)  DIACA marking (see declaration of conformity)  OPERATION OF CETTIFICATE  CETTIFICATE issuing authority  DIACA marking (see declaration of conformity)  DIACA marking declaration of conformity  DIACA marking declaration of conformity  DIACA marking declaration of culture  DIACA marking declaration of cultur	Operating voltage	230V AC
Structural design Piston gate valve  Reset method Pneumatic 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  Certificate issuing authority DNV-TAA000032X  UL MH19482  Degree of protection Ple65  With plug socket as per IEC 60529  Nominal width Smm  Exhaust air function Soft  Soft  Mounting position Any  Manual override Detenting via accessory  Non-detenting  Flye 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 off  On switching time  Do ms  Son secondard (OL)  Pilot control particular  Pilot pressure  Do ms witching time  On switching time  Do ms  Do ms witching time  Do ms  Do ms witching time  Do ms  Do ms witching time  Do ms  Do ms  Do ms mitching time  Do ms  Do	Operating pressure	-0.09 MPa 1 MPa
Reset method Pneumatic 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  UKCA marking (see declaration of conformity)  DIVY-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 Detenting via accessory Non-detenting  Flow direction Reversible  Symbol O991026  Label holder  Lap Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 0 bar  Switching time  Down witching time  26 ms  Duty cycle  Descripticate  CUL us - Recognized (OL)  Asper EU low voltage directive  LUK Instruction  See certificate  See cettificate  See ce	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  Degree of protection  Ple55 With plug socket as per IEC 60529  Nominal width  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Manual override  Pilot air supply port  External  Flow direction  Reversible  Symbol  Valve position ID  Label holder  Lape  Pilot pressure MPa  Pilot pressure  Switching time off  On switching time  Duty cycle  Lace As per EU low voltage directive  Lase purchased and presented and	Structural design	Piston gate valve
Maritime classification  CE marking (see declaration of conformity)  As per EU low voltage directive  To UK instructions for electrical equipment  DWCA marking (see declaration of conformity)  DWV-TAA000032X  UL MH19482  Degree of protection  Degree of protection  Nominal width  See mm  Exhaust air function  Sealing principle  Mounting position  Manual override  Detenting via accessory Non-detenting  Type of control  Pilot-controlled  Pilot supply port  External  Flow direction  Reversible  Symbol  Jospholo  Jo	Reset method	Pneumatic spring
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  Degree of protection  Ple5 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  Type of control  Pilot-controlled  Pilot air supply port  External  Flow direction  Reversible  Symbol  O0991026  Valve position ID  Label holder  Lap  Pilot pressure MPa  Overlap  Pilot pressure  2.5 bar 1 MPa  Switching time off  On 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  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 air supply port  External  Flow direction  Reversible  Symbol  Oug91026  Valve position ID  Label holder  Lap  Ditty pressure MPa  Pilot pressure MPa  Pilot pressure  2.5 bar 10 bar  Switching time off  On switching time  Duty cycle  DNV-TAA000032X UL MH19482  Better in Sevents of Sevents	Maritime classification	See certificate
Degree of protection Degree of Economic of Degree of Deg	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  Oo991026  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  O.25 MPa 1 MPa  Pilot pressure  Switching time off  On switching time  Down	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
With plug socket as per IEC 60529  Nominal width  Exhaust air function  With flow control option  Sealing principle  Soft  Mounting position  Any  Manual override  Detenting via accessory Non-detenting via accessory via accessory via via acce	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 Overlap Pilot pressure MPa Pilot pressure Switching time off On switching time Duty cycle  With flow control option With flow control option Soft Soft With flow control option Any With flow control option Soft Soft Any With flow control option Any With flow control option Soft Soft Any  Detenting via accessory Non-detenting Pilot-controlled External External  External Overlap Overlap Overlap Overlap  Overlap Soft MPa 1 MPa 2.5 bar 10 bar Soft MPa 1 MPa 20 ms Don switching time 26 ms Duty cycle	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 O0991026 Valve position ID Label holder Lap Overlap Pilot pressure MPa O.25 MPa 1 MPa Pilot pressure Switching time off Do switching time Do switching time Do 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  Detenting via accessory Non-detenting  Pilot-controlled  External  Reversible  Overlap  Overlap  Overlap  2.5 bar 1 MPa  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  O0991026  Valve position ID  Label holder  Lap  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  20 ms  Duty cycle  100%	Sealing principle	Soft
Non-detenting  Type of control Pilot-controlled Pilot air supply port External Flow direction Reversible Symbol 00991026 Valve position ID Label holder Lap Overlap Pilot pressure MPa Pilot pressure 2.5 bar 1 MPa Switching time off 20 ms Duty cycle 100%	Mounting position	Any
Pilot air supply port  Flow direction  Reversible  Symbol  00991026  Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  20 ms  Duty cycle  100%	Manual override	
Reversible  Symbol  O0991026  Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  Switching time off  On switching time  26 ms  Duty cycle  Reversible  Reversible  O0991026  Label holder  Overlap  Overlap  Overlap  Overlap  Overlap  O25 MPa 1 MPa  25 bar 10 bar  20 ms  On switching time  100%	Type of control	Pilot-controlled
Symbol 00991026  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 20 ms  Duty cycle 26 ms	Pilot air supply port	External
Valve position ID  Label holder  Overlap  Pilot pressure MPa  Pilot pressure  2.5 bar 1 MPa  20 ms  On switching time  26 ms  Duty cycle  100%	Flow direction	Reversible
Duty cycle  Overlap  Overlap  Overlap  O.25 MPa 1 MPa  2.5 bar 10 bar  20 ms  26 ms  Duty cycle  Overlap  Overla	Symbol	00991026
Pilot pressure MPa 0.25 MPa 1 MPa Pilot pressure 2.5 bar 10 bar Switching time off 20 ms On switching time 26 ms Duty cycle 100%	Valve position ID	Label holder
Pilot pressure 2.5 bar 10 bar Switching time off 20 ms On switching time 26 ms Duty cycle 100%	Lap	Overlap
Switching time off 20 ms On switching time 26 ms Duty cycle 100%	Pilot pressure MPa	0.25 MPa 1 MPa
On switching time 26 ms Duty cycle 100%	Pilot pressure	2.5 bar 10 bar
Duty cycle 100%	Switching time off	20 ms
, ,	On switching time	26 ms
May positive test pulse with 0 signal	Duty cycle	100%
wax. 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 °C 50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C 50 °C
Product weight	220 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