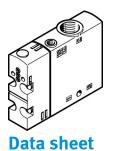
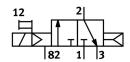
Basic valve CPE18-P1-3GL-1/4 Part number: 550163

FESTO





General operating condition

Naturation type Nicturation type Nicturation type Nicture 1300 L/min 1300 L/min 1300 L/min 1400 L/min 1500	Feature	Value
North Standard nominal flow rate 1300 l/min 150n current working port 151 per surfer s	Valve function	3/2, closed, monostable
Standard nominal flow rate Preumatic working port Preumatic working port Preumatic working pressure Preumatic pressure Preumatic pressure Preumatic spring Piston gate valve Preumatic spring Piston gate valve Preumatic spring Piston gate valve Preumatic spring P	Actuation type	Via ISO 15218 pilot control interface
Anneumatic working port Deparating pressure O.25 MPa 1 MPa Operating pressure Sizurdural design Piston gate valve Presumatic spring Certification CUL us - Recognized (OL) Maritime classification See certificate E marking (see declaration of conformity) To UK instructions for electrical equipment Operating uthority ODN-TAA000032X UL MH19482 Nominal width Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Oit air supply port Internal Ow direction Non-reversible Oymbol Oo991655 Oalva position ID Label holder Overlap Switching time off 30 ms On switching time off 30 ms On switching time On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6 Transport application test with severity level 2 as per FN 942017-4 and FN 60068-2-6	Width	18 mm
Deperating pressure Deperating pressure 2.5 bar 1 0 bar Piston gate valve Peset method Pneumatic spring Certification Cut us - Recognized (Ot) Maritime classification E marking (see declaration of conformity) Maritime classification Temarking (see declaration of conformity) Maritime classification Temarking (see declaration of conformity) Maritime classification To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Nominal width Rem Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot air supply port Internal Non-reversible Sylve of control Pilot-controlled Pilot air supply port Internal Non-reversible Sylvimbol Any Anon-reversible Sylvimbol Any Overlap	Standard nominal flow rate	1300 l/min
Derating pressure Deparating medium Deparating medium Deparating medium Deparating medium Deparating and pilot media Deparating medit Deparating pressure Deparating p	Pneumatic working port	G1/4
Extructural design Reset method Pneumatic spring Certification C UL us - Recognized (OL) Maritime classification See certificate Extracting (see declaration of conformity) See certificate UKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Nominal width Sem Sealing principle Soft Mounting position Any Manual override Non-detenting Pilot-controlled Pilot-controlled Pilot-controlled Pilot air supply port Internal Sieud virection Own-reversible Own-	Operating pressure	0.25 MPa 1 MPa
Reset method Pneumatic spring Curtification Culturs - Recognized (OL) Adaritime classification See certificate Emarking (see declaration of conformity) As per EU low voltage directive JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) To UK instructions for electrical equipment JACA marking (see declaration of conformity) JACA marking (see declaration of certificate equipment JACA marking (see declaration of certific	Operating pressure	2.5 bar 10 bar
Lertification culture - Recognized (OL) Maritime classification See certificate Emarking (see declaration of conformity) As per EU low voltage directive JKCA marking (see declaration of conformity) To UK instructions for electrical equipment JKCA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 JUMH19482	Structural design	Piston gate valve
Maritime classification Exemply (see declaration of conformity) As per EU low voltage directive To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Nominal width Sealing principle Soft Mounting position Any Manual override Yope of control Pilot-controlled Internal Ilow direction Non-reversible Symbol Alve position ID Label holder Jap Overlap Switching time off Own witching time Down witching time Any Max. positive test pulse with 0 signal Max. positive test pulse with 0 signal Jay Coperating medium Normation on operating and pilot media Operation media Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Reset method	Pneumatic spring
Emarking (see declaration of conformity) JAS per EU low voltage directive JACA marking (see declaration of conformity) To UK instructions for electrical equipment DNV-TAA000032X UL MH19482 Nominal width Sealing principle Soft Mounting position Any Manual override Vipe of control Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Non-reversible Symbol Oo991655 Valve position ID Label holder Overlap Switching time off On switching time JAS oms Duty cycle JAS. positive test pulse with 0 signal JAS. negative test pulse on 1 signal Permissible voltage fluctuations Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certification	c UL us - Recognized (OL)
To UK instructions for electrical equipment Dertificate issuing authority DNV-TAA000032X UL MH19482 Nominal width Sealing principle Mounting position Any Manual override Pilot-controlled Pilot-controlled Pilot-controlled Pilot-controlled Non-reversible Symbol App Overlap Switching time off Draw switching time 36 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations Pilot-control (7:4-4) Pilot-controlled Internal Non-reversible Overlap 30 ms 3100 µs Max. positive test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Maritime classification	See certificate
DNV-TAA000032X UL MH19482 Nominal width 8 mm Sealing principle Soft Mounting position Any Manual override Non-detenting Sipe of control Pilot-controlled Pilot air supply port Internal Plow direction Non-reversible Symbol O0991655 Valve position ID Label holder Supply position ID Supply posit	CE marking (see declaration of conformity)	As per EU low voltage directive
UL MH19482 Nominal width 8 mm Sealing principle Soft Mounting position Any Manual override Non-detenting Speed control Pilot-controlled Internal Slow direction Non-reversible Symbol O0991655 Label holder Jap Overlap Switching time off 30 ms On switching time 36 ms Outy cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media //bration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment
Soft Mounting position Manual override Mounting position Manual override Non-detenting Type of control Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Outprict Alve position ID Label holder Overlap Switching time off On switching time Outpry cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Certificate issuing authority	
Mounting position Manual override Mon-detenting Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Op991655 Valve position ID Label holder Overlap Switching time off On switching time On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Nominal width	8 mm
Manual override Mon-detenting Pilot-controlled Pilot air supply port Internal Non-reversible Symbol Oo991655 Valve position ID Label holder Overlap Switching time off On switching time On switching time Max. positive test pulse with 0 signal Overlap Max. negative test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Non-detenting Pilot-controlled Non-detenting Pilot-controlled Non-reversible Oo991655 Label holder Overlap 30 ms 30 ms 30 ms 30 ms 3100 \(\text{w} \) Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Sealing principle	Soft
Pilot-controlled Pilot air supply port Internal Pilot w direction Non-reversible Symbol Operating time off On switching time Obuty cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating believe the step use on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Mounting position	Any
Pilot air supply port Internal Non-reversible Opposition ID Label holder Overlap Switching time off On switching time On switching time Outy cycle Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Opermissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Manual override	Non-detenting
Non-reversible Symbol O0991655 Valve position ID Label holder Overlap Switching time off 30 ms On switching time 36 ms Outy cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Type of control	Pilot-controlled
Symbol 00991655 Valve position ID Label holder Overlap Switching time off 30 ms On switching time 36 ms Outy cycle 100% Max. positive test pulse with 0 signal 3300 µs Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Pilot air supply port	Internal
Label holder Overlap Switching time off Overlap 30 ms On switching time 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Flow direction	Non-reversible
Overlap Switching time off 30 ms On switching time 36 ms Outy cycle 100% Max. positive test pulse with 0 signal 3300 µs Max. negative test pulse on 1 signal 3100 µs Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media //ibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Symbol	00991655
Switching time off 30 ms On switching time 36 ms Outy cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 3300 µs Permissible voltage fluctuations 15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media //ibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Valve position ID	Label holder
On switching time 36 ms Outy cycle 100% Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse on 1 signal 3100 μs Permissible voltage fluctuations 15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Lap	Overlap
Outy cycle 100% Max. positive test pulse with 0 signal 3300 μs Max. negative test pulse on 1 signal 3100 μs 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) //ibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Switching time off	30 ms
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Permissible voltage fluctuations 15 % / +10 % Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	On switching time	36 ms
Max. negative test pulse on 1 signal 3100 µs Permissible voltage fluctuations -15 % / +10 % 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Duty cycle	100%
Permissible voltage fluctuations -15 % / +10 % Deperating 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) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Max. positive test pulse with 0 signal	3300 μs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) //ibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Max. negative test pulse on 1 signal	3100 µs
nformation on operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Permissible voltage fluctuations	-15 % / +10 %
/ibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27	Vibration resistance	
	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C 50 °C
Ambient temperature	-5 °C 50 °C
Product weight	110 g
Type of mounting	With through-hole
Pilot exhaust air port 82	M5
Pilot air port 12	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	G1/4
Pneumatic connection 3	G1/4
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Die-cast aluminum