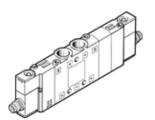
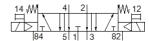
solenoid valve CPE10-M1CH-5/3E-M7 Part number: 550229

FESTO

Very compact assembly, with M8 plug connection.





Data sheet

Valve function S/3 exhausted	Feature	Value
Width 250 l/min 250 l/mi	Valve function	5/3 exhausted
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Maritime classification Manual override Manual overr	Type of actuation	electrical
Design structure Piston slide Design structure Piston slide Type of reset mechanical spring Maritime classification Protection class Maritime classification Any Maritime classification Any Maritime classification Any Maritime classification Any Maritime classification Maritime classification CRC Maritime classification CRC Maritime classification Maritime classification CRC Mar	Width	10 mm
Design structure Type of reset Type of plotting Type of pilotting Type of the	Standard nominal flow rate	250 l/min
Type of reset Maritime classification Protection class IP65 IP67 with plug socket to IEC 60529 Nominal size A mm Exhaust-air function Sealing principle Soft Assembly position Manual override Pushing Type of piloting Piloted Piloted Piloted Pilot air supply Internal Flow direction Inscription label holder Overlap Positive overlap Switching time off Switching time off Duty cycle Max. negative supt holgic 0 Max. negative test pulse with logic 0 Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Curbarature Vibration resistance Transport application tests with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2 Corrosion resistance Axia (Sa g	Operating pressure	3 8 bar
Maritime classification Protection class IP65 IP67 with plug socket to IEC 60529 Nominal size 4 mm Exhaust-air function Sealing principle Soft Any Manual override with accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Switching time off Switching time off Switching time on Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Duty cycle Max. negative test pulse with logic 1 Operating 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] Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Shock resistance Shock resistance Corrosion resistance classification CRC Aximal Shock is a second shock in the second shock is a second shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Amax. degree the product we should be second shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-26 Ambient temperature 5	Design structure	Piston slide
Protection class IP65 IP67 with plug socket to IEC 60529 Nominal size	Type of reset	mechanical spring
IP67 with plug socket to IEC 60529	Maritime classification	see certificate
with plug socket to IEC 60529 Nominal size Exhaust-air function throttleable Sealing principle Any Manual override With accessories, detenting Pushing Plotted Pliot air supply Internal Flow direction Nor eversible Valve position identification Inscription label holder Overlap Switching time off Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Max. India product weight Application tests Sea get Administration Application tests Application tests Application tests Application tests Application tests Application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Consumers Application tests Application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Corrosion stress Medelium temperature Application tests Appli	Protection class	IP65
to IEC 60529 Nominal size Exhaust-air function throttleable Sealing principle Assembly position Any Manual override With accessories, detenting Pushing Type of piloting Piloted Piloted Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Inscription label holder Overlap Switching time off 20 ms Switching time on 16 ms 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 IS08573-1:2010 [7:4:4] Note on operating and pilot medium Operation Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Max. in Insurance in a product of the		IP67
Nominal size Scaling principle Soft		with plug socket
Exhaust-air function throttleable soft Sealing principle soft Any Manual override with accessories, detenting Pushing Piloted Piloted Piloted Piloted Piloted Positive overlap Switching time off 20 ms Switching time off 20 ms Switching time off 20 ms Switching time off 1,200 µs Max. regarive test pulse with logic 0 1,200 µs Max. regarive test pulse with logic 1 900 µs Persible voltage fluctuation 1,5 % f+10 % Operating medium Corperating medium Corperating medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Shock resistance Shock resistance Lassification CRC As Max. Posity Product weight 68 g Electrical connection 4-pin		to IEC 60529
Sealing principle Assembly position Any Manual override With accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Non reversible Valve position identification Inscription label holder Overlap Positive overlap Switching time off 20 ms Switching time off 30 ms Switching time off 10 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Swazative test pulse with logic 1 Spoo µs Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uubricated 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 60068-2-7 Corrosion resistance classification CRC Medium temperature 550 °C Ambient temperature 550 °C Ambient temperature 550 °C Max.tightening torque plug 0.4 km Product weight Electrical connection	Nominal size	4 mm
Assembly position Manual override With accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Non reversible Valve position identification Overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data 24 V DC: 1.28 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Shock sessification CRC 2- Moderate corrosion stress Medium temperature 5 50 °C Max.tightening torque plug Pushing Pushin	Exhaust-air function	throttleable
Manual override with accessories, detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Inscription label holder Overlap Positive overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,200 μs Max. negative test pulse with logic 1 900 μs Characteristic coil data 24 V DC: 1.28 W 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 942017-4 and EN 60068-2-6 Shock resistance Shock kets with severity level 2 in accordance with FN 942017-5 and EN 60068-2-2. Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque plug <t< td=""><td>Sealing principle</td><td>soft</td></t<>	Sealing principle	soft
Pushing Type of piloting Pilot air supply Pilot air supply Plot air supply Plow direction Inscription label holder Valve position identification Overlap Positive overlap Positive overlap Switching time off 20 ms Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 1,200 μs Max. positive test pulse with logic 1 900 μs Max. negative test pulse with logic 1 24 V DC: 1.28 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uubricated 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 sets with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC 2 Moderate corrosion stress Medium temperature 5-550 °C Ambient temperature 5-550 °C Max.tightening torque plug Product weight Electrical connection Positive overlap Internal	Assembly position	Any
Type of piloting Piloted Pilot air supply Internal Flow direction non reversible Valve position identification Inscription label holder Overlap Positive overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,200 μs Max. negative test pulse with logic 1 900 μs Characteristic coil data 24 V DC: 1.28 W Permissible voltage fluctuation 1.15 % / 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 Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Lassification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Max. tightening torque plug 0.4 Nm Product weight 68 g Electrical connection 4-pin	Manual override	with accessories, detenting
Pilot air supply Internal Flow direction non reversible Valve position identification Inscription label holder Overlap Positive overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,200 µs Max. negative test pulse with logic 1 900 µs Characteristic coil data 24 V DC: 1.28 W 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 60068-2-27 Corrosion resistance Lassification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Max. negative test pulse with logic 0 1,200 µs Lubricated operation possible (subsequently required for further operation) Vibration resistance 2 in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance -5 50 °C Ambient temperature -5 50 °C Max. tightening torque plug -4 pin		Pushing
Flow direction non reversible Valve position identification Overlap Positive overlap Switching time off 20 ms Switching time on Duty cycle 100 % Max. positive test pulse with logic 0 1,200 µs Max. negative test pulse with logic 1 900 µs Characteristic coil data 24 V DC: 1.28 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Uibration 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 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Ambient temperature -5 50 °C Amx.tightening torque plug Product weight 68 g Electrical connection	Type of piloting	Piloted
Valve position identification Overlap Positive overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. negative 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 Uubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC Ambient temperature Medium temperature Medium temperature Ambient temperature Max. tightneing torque plug O.4 Nm Product weight 68 g Electrical connection	Pilot air supply	Internal
Overlap Switching time off 20 ms Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Spoop us Characteristic coil data 24 V DC: 1.28 W 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 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 Medium temperature Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug -68 g Electrical connection Positive overlap 10 ms 10 m	Flow direction	non reversible
Switching time off Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,200 µs Max. negative test pulse with logic 1 Characteristic coil data 24 V DC: 1.28 W Permissible voltage fluctuation Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Uubricated 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 60068-2-7 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug Product weight 68 g Electrical connection	Valve position identification	Inscription label holder
Switching time on 16 ms Duty cycle 100 % Max. positive test pulse with logic 0 1,200 µs Max. negative test pulse with logic 1 990 µs Characteristic coil data 24 V DC: 1.28 W 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 942017-4 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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug 0.4 Nm Product weight 68 g Electrical connection 4-pin	Overlap	Positive overlap
Duty cycle100 %Max. positive test pulse with logic 01,200 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1.28 WPermissible 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 stressMedium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin	Switching time off	20 ms
Max. positive test pulse with logic 01,200 μsMax. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1.28 WPermissible 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 stressMedium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin		16 ms
Max. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1.28 WPermissible 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 stressMedium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin	Duty cycle	100 %
Max. negative test pulse with logic 1900 μsCharacteristic coil data24 V DC: 1.28 WPermissible 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 stressMedium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin	Max. positive test pulse with logic 0	1,200 μs
Permissible voltage fluctuation 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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug O.4 Nm Product weight 68 g Electrical connection 4-pin		
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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug Product weight 68 g Electrical connection 4-pin	Characteristic coil data	24 V DC: 1.28 W
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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug Product weight 68 g Electrical connection 4-pin	Permissible voltage fluctuation	-15 % / +10 %
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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug Product weight 68 g Electrical connection 4-pin	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
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 Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug 0.4 Nm Product weight 68 g Electrical connection 4-pin	Note on operating and pilot medium	
60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 50 °C Ambient temperature -5 50 °C Max.tightening torque plug 0.4 Nm Product weight 68 g Electrical connection 4-pin	Vibration resistance	
Medium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin	Shock resistance	
Medium temperature-5 50 °CAmbient temperature-5 50 °CMax.tightening torque plug0.4 NmProduct weight68 gElectrical connection4-pin	Corrosion resistance classification CRC	
Ambient temperature -5 50 °C Max.tightening torque plug 0.4 Nm Product weight 68 g Electrical connection 4-pin		
Max.tightening torque plug O.4 Nm Product weight 68 g Electrical connection 4-pin	'	
Product weight 68 g Electrical connection 4-pin	,	1 2 3 3 2 3
Electrical connection 4-pin		
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Feature	Value
Mounting type	with through hole
Pilot exhaust port 82	M3
Pilot exhaust port 84	M3
Pilot air port 12	M3
Pilot air port 14	M3
Pneumatic connection, port 1	M7
Pneumatic connection, port 2	M7
Pneumatic connection, port 3	M7
Pneumatic connection, port 4	M7
Pneumatic connection, port 5	M7
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast