solenoid valve
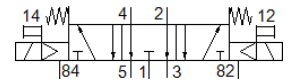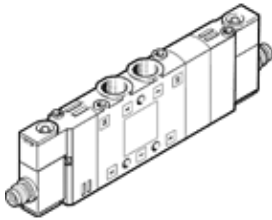## CPE14-M1CH-5/3E-1/8
Part number: 550243

Very compact assembly, with M8 plug connection.

Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	electrical
Width	14 mm
Standard nominal flow rate	700 l/min
Operating pressure	3 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Maritime classification	see certificate
Protection class	IP65 IP67 with plug socket to IEC 60529
Nominal size	6 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	non reversible
Valve position identification	Inscription label holder
Overlap	Positive overlap
Switching time off	42 ms
Switching time on	20 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 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	120 g
Electrical connection	4-pin M8x1

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	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast