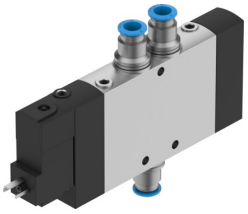
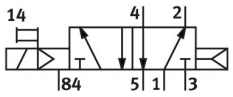
Solenoid valve
CPE18-M3H-5L-QS-8

Part number: 163794





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Construction width	18 mm
Standard nominal flow rate (standardised to DIN 1343)	850 l/min
pneumatic working port	QS-8
Operating voltage	230V AC
Operating pressure	0.25 MPa...1 MPa 2.5 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU Low Voltage Directive
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment
Certificate issuing authority	UL MH19482
Degree of protection	IP65 With plug socket To IEC 60529
Nominal size	8 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting via accessory Non-detenting
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
Valve position code	Label holder
lap	Overlap
Switching time off	20 ms
Switching time on	26 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	3300 µs

Feature	Value
Max. negative test pulse with 1 signal	3100 µs
Characteristic coil data	230 V AC: 50/60 Hz, pick-up power 3.0 VA, holding power 2.4 VA
Permissible voltage fluctuations	-15% / +10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C...50 °C
Ambient temperature	-5 °C...50 °C
Electrical connection	Type C
Type of mounting	With through-hole
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection, port 1	QS-8
Pneumatic connection, port 2	QS-8
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	QS-8
Pneumatic connection, port 5	G1/4
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium