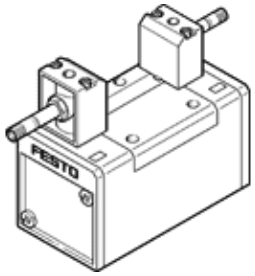
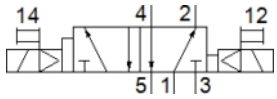
Solenoid valve
JMFDH-5/2-D-3-C-EX

Part number: 536073

With manual override. Without sockets.





Data sheet

Feature	values
Valve function	5/2 bistable-dominant
Type of actuation	electrical
Width	65 mm
Standard nominal flow rate	4,500 l/min
Working pressure	2 ... 10 bar
Design structure	Piston slide
Protection class	IP65
Authorization	Germanischer Lloyd
Nominal size	14.5 mm
Grid dimension	71 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 5599-1
Manual override	with accessories, detenting Pushing
ISO code	369
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Switching time reversal	18 ms
Switching time reversal (dominating)	18 ms
Max. positive test pulse with logic 0	2,200 µs
Max. negative test pulse with logic 1	3,700 µs
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c T105°C
Explosion-proof ambient temperature	-5°C <= Ta <= +40°C
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)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Vibration resistance	Transport application test at severity level 1 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
Medium temperature	-10 ... 60 °C
Sound pressure level	85 dB(A)
Ambient temperature	-5 ... 40 °C
Product weight	1,060 g
Electrical connection	Via F coil, must be ordered separately

Feature	values
Mounting type	On subbase With through-hole and screw
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
Pneumatic connection, port 1	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 2	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 3	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 4	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 5	Connection plate size 3 as per ISO 5599-1
Materials note	Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Aluminum die cast