

Series KMX-09

Electrically operated stainless steel valves, 5/2-way
G1/8 • 1080 to 1110 NI/min (1.097 to 1.128 Cv)



Order code

KMX-09-511-HN-F42

Series and function

Coil options¹⁾

Standard coil²⁾

HN at ports 2 + 4
F42 24 V DC, 4.2 W

HN at ports 1, 3 + 5
F12

Without coil and plug socket

HN at ports 2 + 4
F70 Power consumption 4.2 W

HN at ports 1, 3 + 5
F00

¹⁾ HN = Manual override. It can be repositioned by 180°. Manual override (HN) is on the side of ports 2 and 4 by default. It can be easily repositioned by 180° (side of ports 1, 3 and 5).

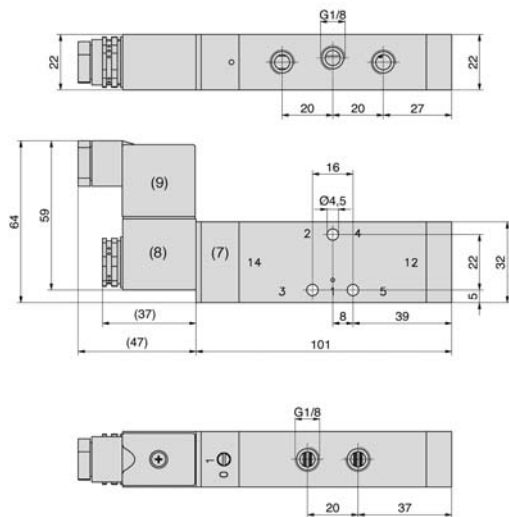
²⁾ Plug socket(s) not included in scope of delivery (see page 6.002).

Design, function and technical data

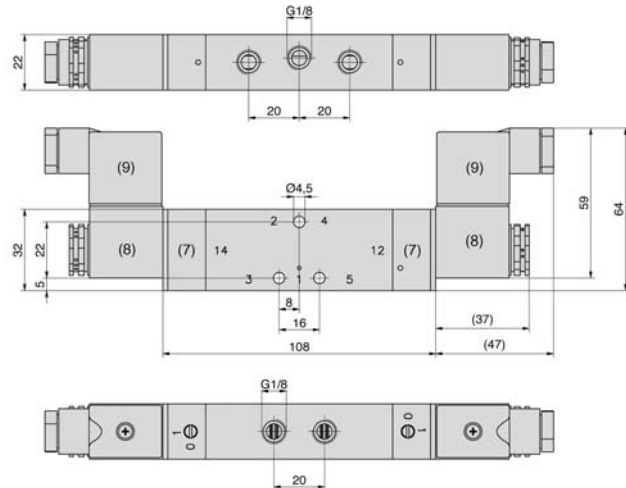
Spool valve actuated by an electrical signal. Please specify required control voltage when ordering.

Valves of this series are available in explosion proof design in accordance with 2014/34/EU (ATEX). For further details see chapter 13 of this catalogue.

KMX-09-511-HN



KMX-09-520-HN



- 1 = pressure inlet
- 2, 4 = outlets
- 3, 5 = exhausts

- (7) = manual override (detent) can be repositioned by 180°
- (8) = solenoid coil can be repositioned 4 x 90°
- (9) = plug socket can be repositioned by 180°

Order number	KMX-09-511-HN	KMX-09-520-HN
Please complete according to order code.		
Function	5/2-way single solenoid, spring return	5/2-way double solenoid
Connection	G1/8	
Nominal size	6 mm	
Flow rate	1080 NI/min (1.097 Cv)	1110 NI/min (1.128 Cv)
Pressure range	3 ... 10 bar (43.5 ... 145 psi)	
Actuating force at 6 bar	on 13 ms off 34 ms	11 ms
Temperature range	- 30 °C ... + 80 °C (- 22 °F ... + 176 °F)	
Materials	Body: 1.4571, Inner parts: 1.4305, Seals: PU, NBR	
Degree of protection	IP 65 according to EN 60529	
Medium	Compressed air in accordance with ISO 8573-1:2010, Class 7:2:4 – and free of aggressive additives. T _{MEDIUM} - 30 °C ... + 50 °C (- 22 °F ... + 122 °F)	
Weight	0.500 kg (1.102 lbs.)	0.510 kg (1.124 lbs.)

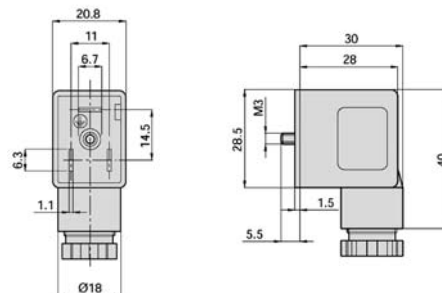
Accessories for electrically operated valves

Plug sockets for coil



Plug sockets pursuant to DIN EN 175301-803 Shape B

(2pol. + PE, 21 x 28 mm, Contact distance 11 mm)



Order number	28-ST-01	28-ST-04-112	28-ST-04-127	28-ST-06-112	28-ST-06-127	28-ST-06-K3-112	28-ST-06-K3-127
Standard voltage	all	24 V DC	230 V AC	24 V DC	230 V AC	24 V DC	230 V AC
Protective circuit	no	no	no	yes	yes	yes	yes
Status indicator	without	yes	yes	yes	yes	yes	yes
Degree of protection	IP 65 pursuant to EN 60529 requires a flat gasket						
Connecting cable	without					3 m	3m
Ø Connecting cable	6 – 8 mm					–	–
Max. wire cross section	1,5 mm ²					–	–
for coil	23-SP-011, 23-SP-011-1						