

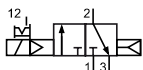
Technical details

Connection	G1/4
Nominal Size	9 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), seals: NBR and POM, inner parts: Al, brass, stainless steel
Protection	IP 65 according to EN 60529
	Valves in accordance with 2014/34/EU (ATEX) available (page 13)

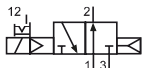


Electrically operated spool valve. The manual override is detent and is operated by screwdriver.

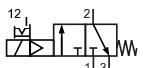
3/2-way-valves



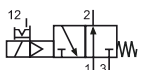
M-07-310-HN-xxx
3/2-way, single solenoid, air spring return, NC



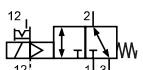
MO-07-310-HN-xxx
3/2-way, single solenoid, air spring return, NO



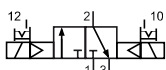
M-07-311-HN-xxx
3/2-way, single solenoid, mechanical spring return, NC



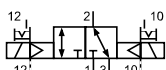
MO-07-311-HN-xxx
3/2-way, single solenoid, mechanical spring return, NO



ME-07-311-HN-xxx
3/2-way, single solenoid, external pilot pressure, mechanical spring return



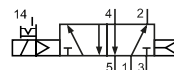
M-07-320-HN-xxx
3/2-way, double solenoid



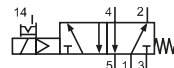
ME-07-320-HN-xxx
3/2-way, double solenoid, external pilot pressure

Please complete: xxx = electrical option

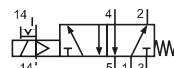
5/2- and 5/3-way-valves



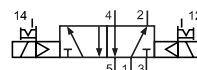
M-07-510-HN-xxx
5/2-way, single solenoid, air spring return



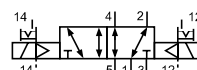
M-07-511-HN-xxx
5/2-way, single solenoid, mechanical spring return



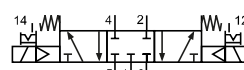
ME-07-511-HN-xxx
5/2-way, single solenoid, external pilot pressure, mechanical spring return



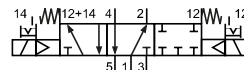
M-07-520-HN-xxx
5/2-way, double solenoid



ME-07-520-HN-xxx
5/2-way, double solenoid, external pilot pressure



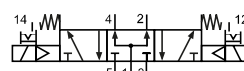
M-07-530-HN-xxx
5/3-way, center position closed



M-07-532-HN-xxx
5/3-way, Sicherheitsmittelstellung



M-07-533-HN-xxx
5/3-way, center position exhausted



M-07-534-HN-xxx
5/3-way, center position pressurized

Electrical options

Nominal voltage	Power consumption	Specifics	Plug connection*1	-XXX Manual override on same side of ports	
				2 or 2 and 4	1. 3 or 1. 3 and 5
12 V DC	4.2 W		Form B industrial norm	-441	-411
12 V DC	2.2 W	max. 8 bar	Form B industrial norm	-461	-431
24 V DC	4.2 W		Form B industrial norm	-442	-412
24 V DC	4.8 W		M 12	-O42	-O12
24 V DC	2.2 W	max. 8 bar	Form B industrial norm	-462	-432
24 V DC	2.5 W	max. 8 bar	M 12	-O62	-O32
24 V AC	5 VA		Form B industrial norm	-452	-422
115 V AC	5 VA		Form B industrial norm	-456	-426
230 V AC	5 VA		Form B industrial norm	-457	-427

*1 Plug socket not included, suitable plug sockets page 06

Series M-07

Technical data

Model-no.:	M-07-310	MO-07-310	M-07-311	MO-07-311	ME-07-311	M-07-320	ME-07-320
Operating pressure* (bar)	1.5 ... 10	1.5 ... 10	2.5 ... 10	2.5 ... 10	0 ... 10	1.5 ... 10	0 ... 10
Pilot pressure* (bar)	1.5 ... 10	1.5 ... 10	2.5 ... 10	2.5 ... 10	2.5 ... 10	1.5 ... 10	1.5 ... 10
Flow rate (Nl/min)	1580	1580	1580	1580	1580	1580	1580
Response time (ms) at 6 bar	on: 15 off: 19	on: 15 off: 19	on: 15 off: 19	on: 15 off: 19	on: 15 off: 22	on: 14 off: 14	on: 14 off: 14
Weight (kg)	0.375	0.375	0.380	0.380	0.450	0.520	0.578

Model-no.:	M-07-510	M-07-511	ME-07-511	M-07-520	ME-07-520
Operating pressure* (bar)	1.5 ... 10	2.5 ... 10	0 ... 10	2 ... 10	0 ... 10
Pilot pressure* (bar)	1.5 ... 10	2.5 ... 10	2.5 ... 10	2 ... 10	2 ... 10
Flow rate (Nl/min)	1580	1580	1580	1580	1580
Response time (ms) at 6 bar	on: 15 off: 19	on: 15 off: 22	on: 15 off: 19	on: 14 off: 14	on: 14 off: 14
Weight (kg)	0.455	0.465	0.530	0.620	0.650

Model-no.:	M-07-530	M-07-532	M-07-533	M-07-534
Operating pressure* (bar)	3 ... 8	3 ... 8	3 ... 8	3 ... 8
Pilot pressure* (bar)	3 ... 8	3 ... 8	3 ... 8	3 ... 8
Flow rate (Nl/min)	1300	1280	1300	1300
Response time (ms) at 6 bar	on: 15 off: 22	on: 35 off: 42	on: 15 off: 22	on: 15 off: 22
Weight (kg)	0.620	0.620	0.620	0.620

* max. 8 bar at 2.2 W and 2.5 W

Accessories



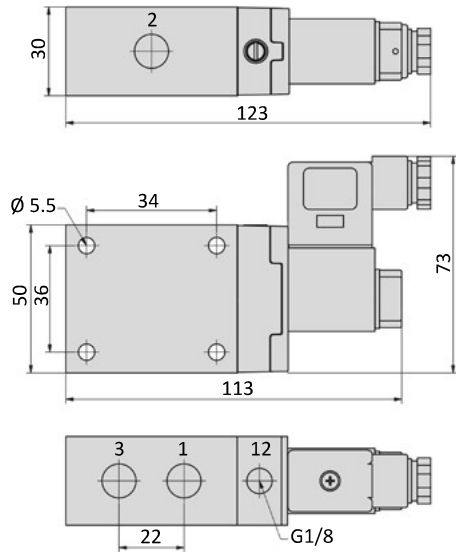
Plug sockets: page 06



Manifolds: page 04

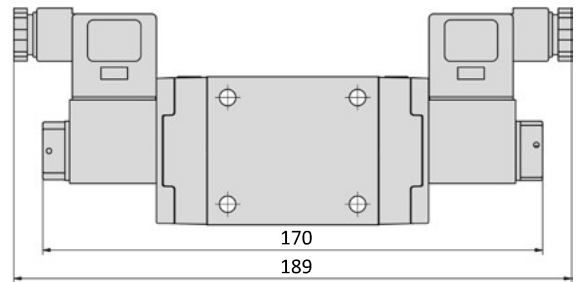
Dimensions

M-07-31x-HN, MO-07-31x-HN*, ME-07-31x-HN

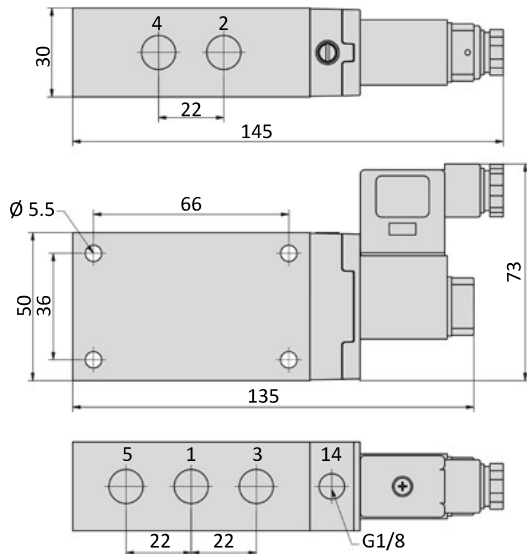


*For the NO version MO-07 the ports 1 and 3 are inverted.

M-07-320-HN, ME-07-320-HN



M-07-51x-HN, ME-07-511-HN

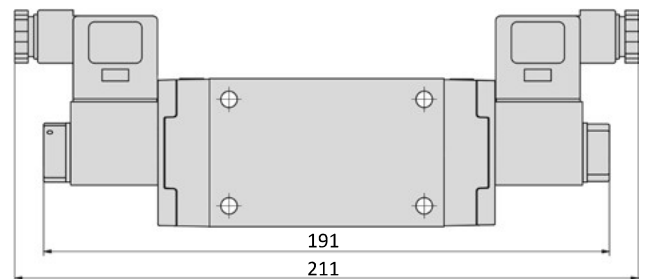


- 1 = pressure inlet
- 2,4 = outlets
- 3,5 = exhausts
- 10,12,14 = connection for external pilot pressure (only at ME-valves)

Plug socket (not included in scope of delivery) can be repositioned by 180°.

Solenoid coil can be repositioned by 4 x 90°.

M-07-520-HN, ME-07-520-HN, M-07-53x-HN



M-07-532-HN

