

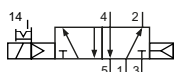
Technical details

Connection	86-MVZ-10: M5 86-MVZ-15: G1/8
Temperature range	86-MVZ-18: G1/4
Medium	-5°C ... +50°C
Materials	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.
Protection	Body: Al (anodized), plastic, seals: NBR, inner parts: Al, steel and plastic
Schutzart	IP 40 according to EN 60529

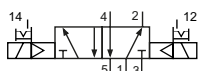


Electrically operated spool valve. The manual override is detent/ non-detent and is operated by screwdriver.

5/2-way-valves

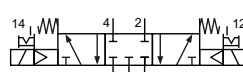


86-MVZ-10-510-HN-xxx
86-MVZ-15-510-HN-xxx
86-MVZ-18-510-HN-xxx
5/2-way, single solenoid, air spring return

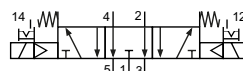


86-MVZ-10-520-HN-xxx
86-MVZ-15-520-HN-xxx
86-MVZ-18-520-HN-xxx
5/2-way, double solenoid

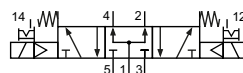
5/3-way-valves



86-MVZ-10-530-HN-xxx
86-MVZ-15-530-HN-xxx
86-MVZ-18-530-HN-xxx
5/3-way, center position closed



86-MVZ-10-533-HN-xxx
86-MVZ-15-533-HN-xxx
86-MVZ-18-533-HN-xxx
5/3-way, center position exhausted



86-MVZ-10-534-HN-xxx
86-MVZ-15-534-HN-xxx
86-MVZ-18-534-HN-xxx
5/3-way, center position pressurized

Electrical options

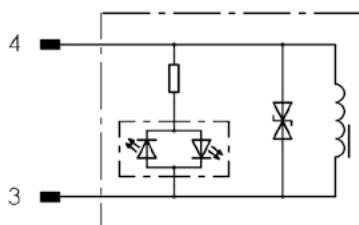
Nominal voltage	Power consumption	Specifics	electrical connection	-xxx
24 V DC	0.85 W	with integrated LED, orange and protective circuit	M8	-T42
24 V DC	0.85 W	with integrated LED, orange and protective circuit	Form L	-L42

*1 The M8 connector is supplied without a socket; the L connector is supplied with a socket and a 300 mm cable

Pin assignment M8



1 = not used
3 = - / +
4 = + / -



Series 86-MVZ

Technical data

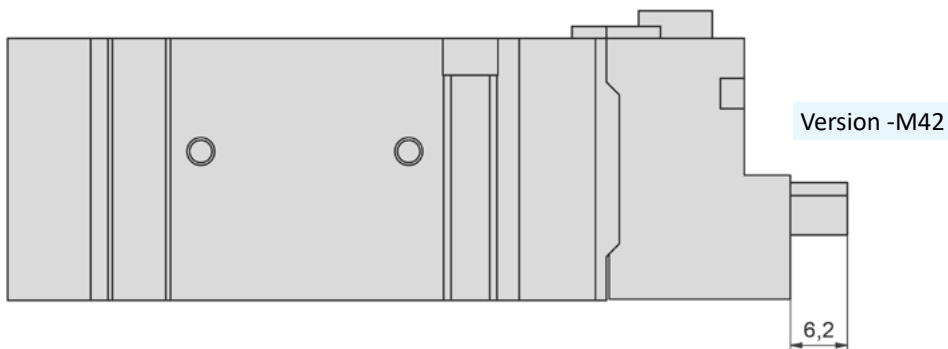
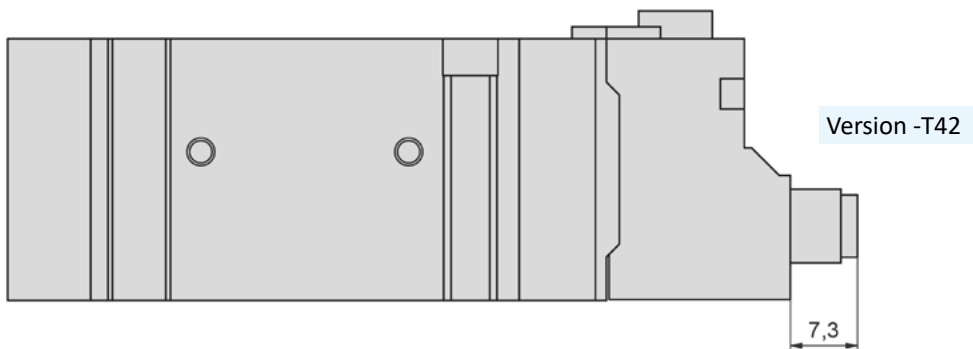
Model-no.:	86-MVZ-10-510	86-MVZ-10-520	86-MVZ-10-530	86-MVZ-10-533	86-MVZ-10-534
Operating pressure (bar)	1,5...8	1...8	2...8	2...8	2...8
Max. switching frequency (Hz)	5	5	5	5	5
Flow rate (NI/min)	160	160	130	130	130

Model-no.:	86-MVZ-15-510	86-MVZ-15-520	86-MVZ-15-530	86-MVZ-15-533	86-MVZ-15-534
Operating pressure (bar)	1,5...8	1...8	2...8	2...8	2...8
Max. switching frequency (Hz)	5	5	5	5	5
Flow rate (NI/min)	500	500	420	420	420

Model-no.:	86-MVZ-18-510	86-MVZ-18-520	86-MVZ-18-530	86-MVZ-18-533	86-MVZ-18-534
Operating pressure (bar)	1,5...8	1...8	2...8	2...8	2...8
Max. switching frequency (Hz)	5	5	5	5	5
Flow rate (NI/min)	930	930	650	650	650

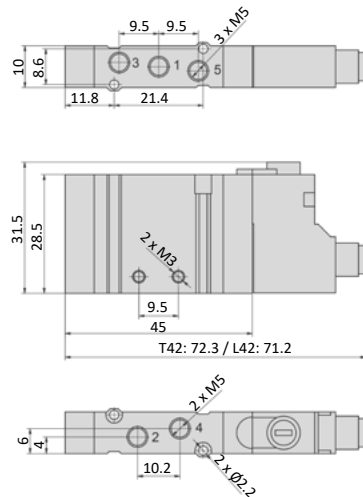
Dimensions

Differences in dimensions between the -T42 and -M42 versions

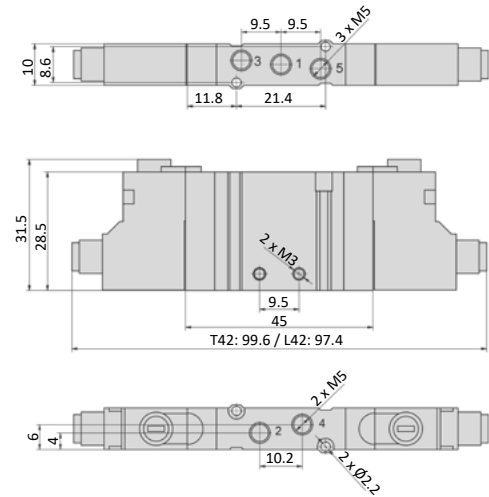


Dimensions

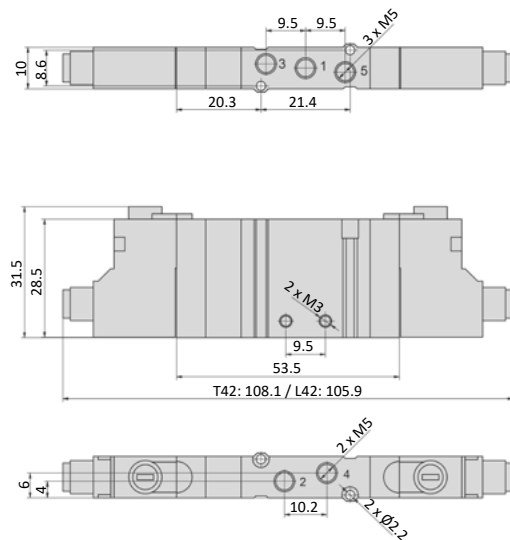
86-MVZ-10-510



86-MVZ-10-520



86-MVZ-10-53x

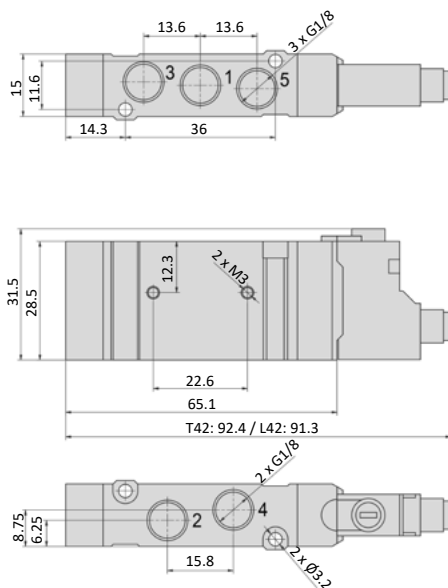


1 = pressure inlet
2,4 = outlets
3,5 = exhausts

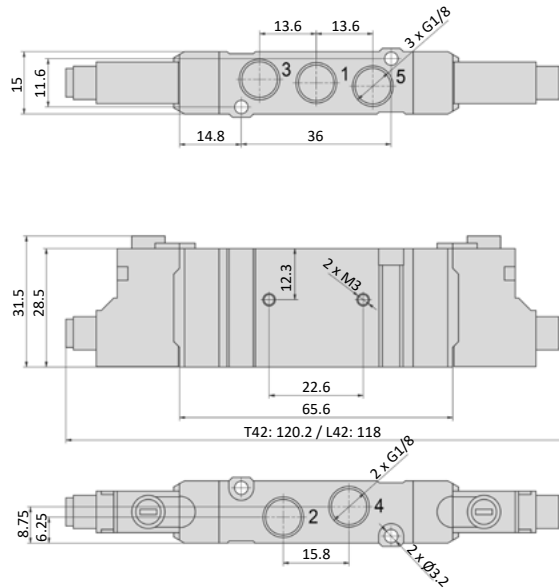
Series 86-MVZ

Dimensions

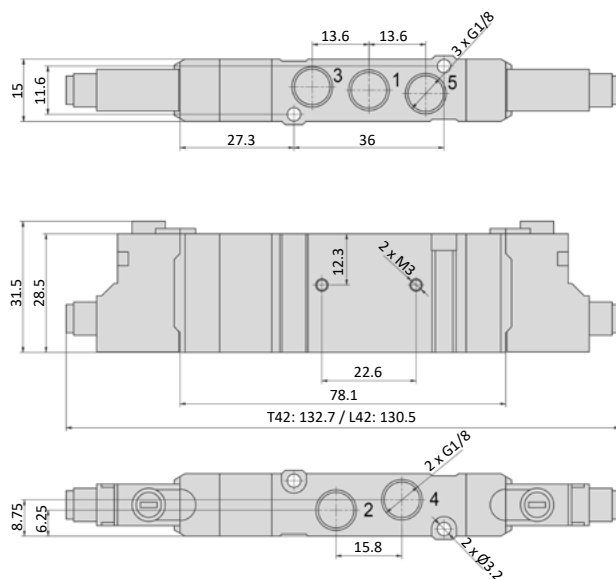
86-MVZ-15-510



86-MVZ-15-520

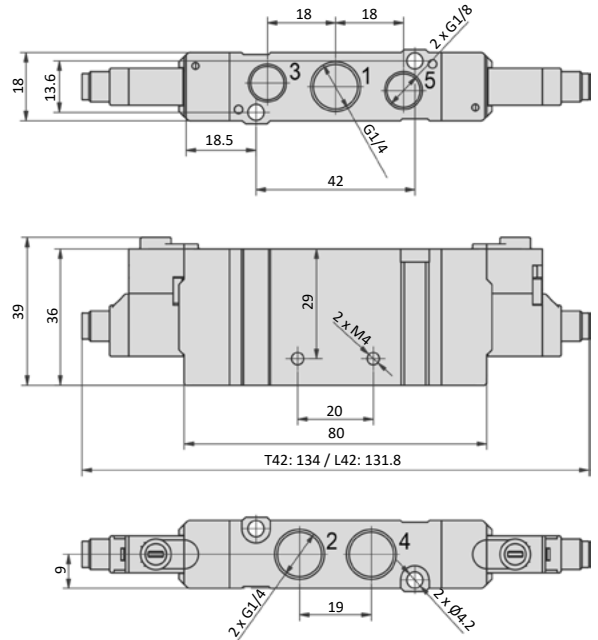
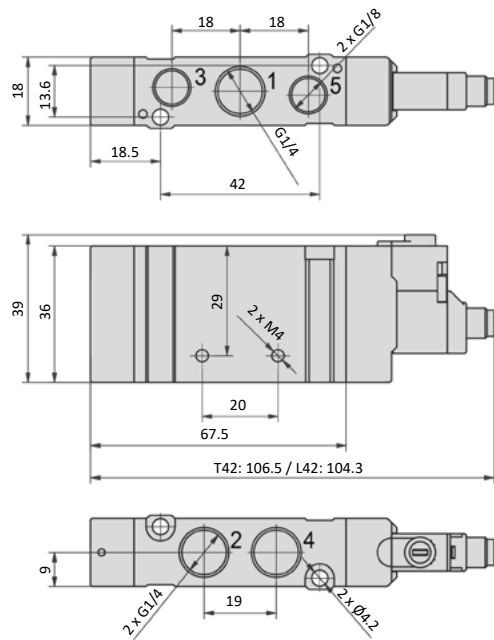


86-MVZ-15-53x

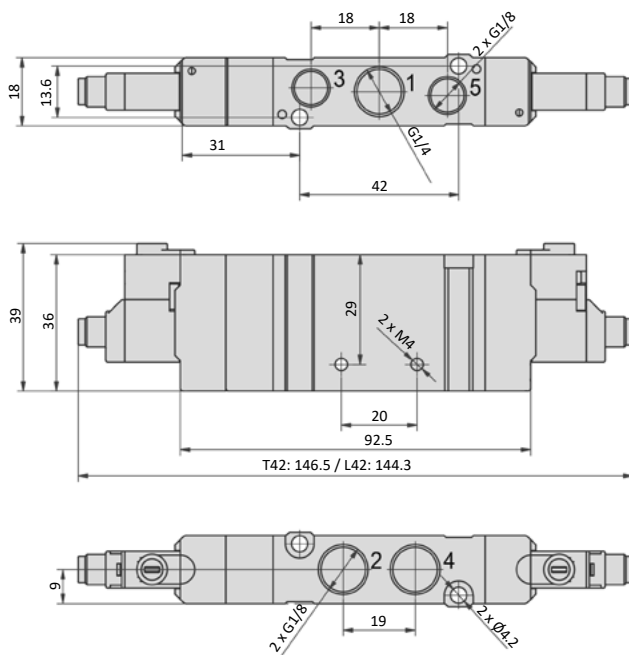


1 = pressure inlet
2,4 = outlets
3,5 = exhausts

Dimensions



86-MVZ-18-53x



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

Series 86-MVZ



General information

Manifolds 86-PRS are available for series 86-MVZ valves.
The mounting material for the valves (fastening screws and moulded seals) is included in the scope of delivery.
Blind plates for free valve stations 86-PRS-xxx-V are available as a supplement.

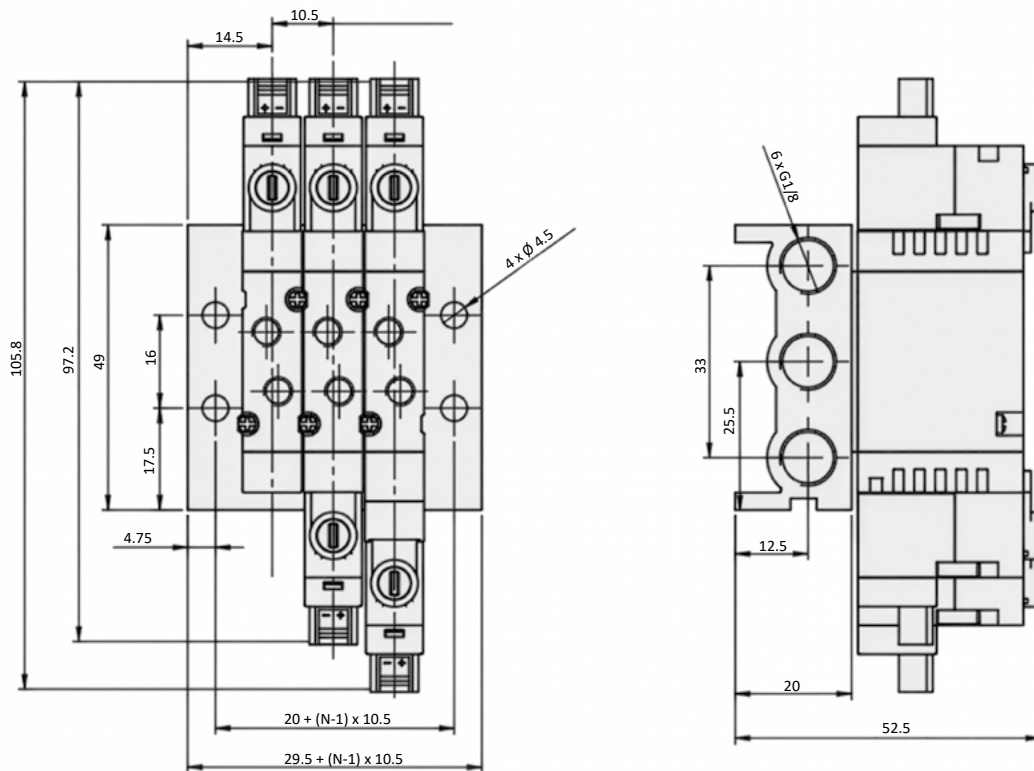


Order code

86-PRS-***-***-***	
Series	Number of stations
Size	02...20 02, 03, 04, 05, 06, 07, 08, 10, 12, 14, 16, 18, 20
MVZ-10 for series 86-MVZ-10	Standard
MVZ-15 for series 86-MVZ-15	04, 06, 08, 10, 12
MVZ-18 for series 86-MVZ-18	

Dimensions

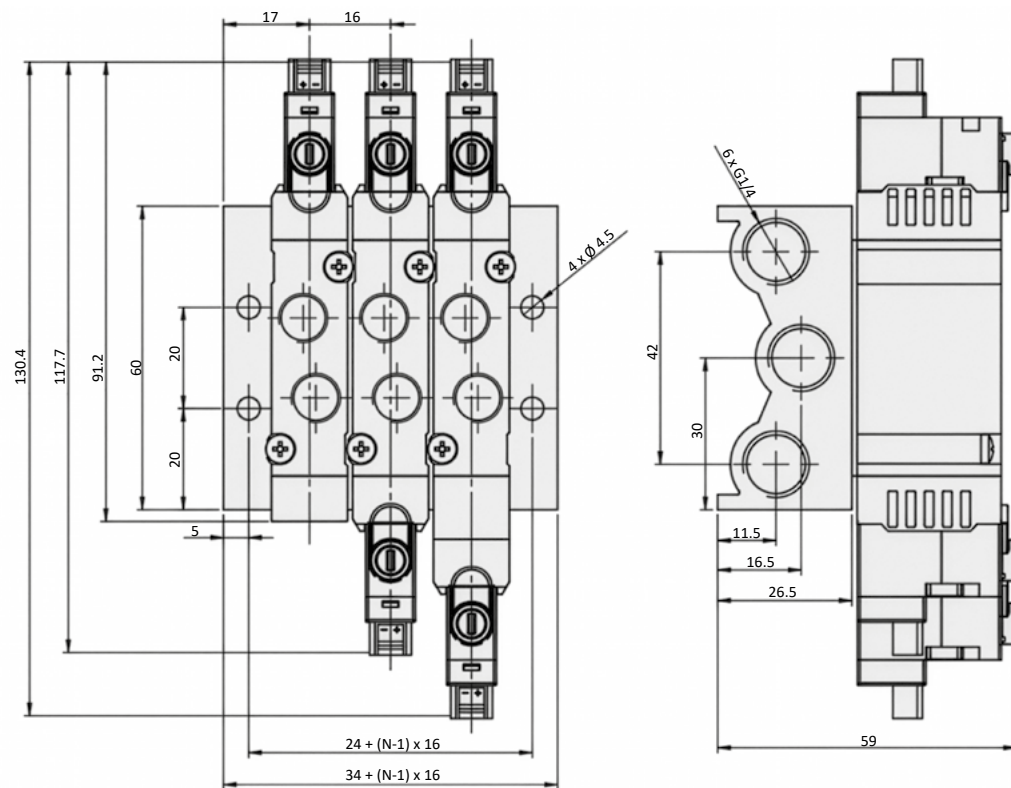
86-PRS-MVZ-10



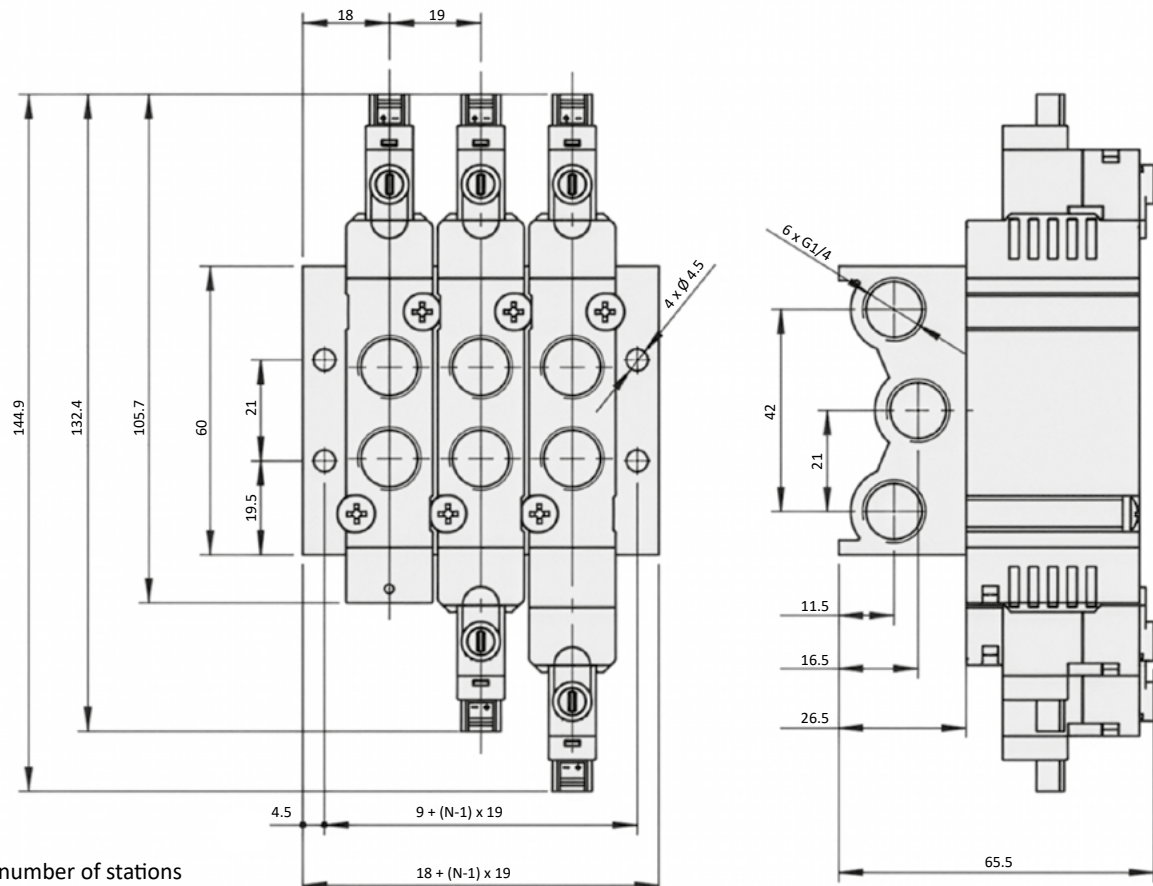
N = number of stations

Dimensions

86-PRS-MVZ-15



86-PRS-MVZ-18

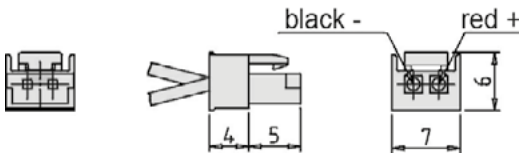


N = number of stations

Series 86-MVZ

L-shaped socket outlets with cable

Model-no.:	86-ST-L-300	86-ST-L-600
cable length (mm)	300	600



Connection cable M8

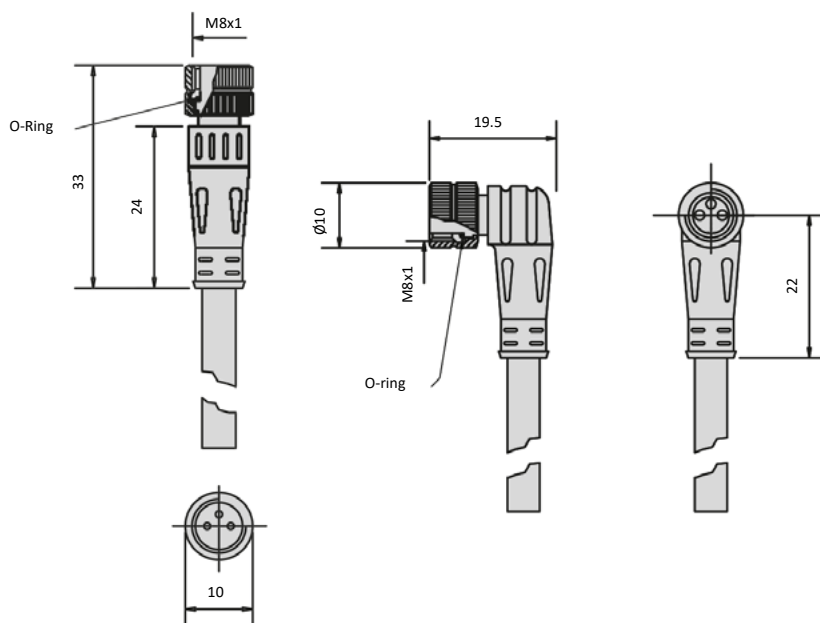
Contacts	M8 Plug socket
Protection	IP 67 according to EN 60529 in conjunction with suitable connection plug
Duty cycle	100 %
Temperature range*	-25°C...+90°C
max. voltage	60 V AC / DC
Use for	Solenoids with M8 plug, cylinder switch with M8 plug



Model-no.:	KA-10-01	KA-30-01	KA-50-01	KA-100-01
Contacts	M8 Socket, straight	M8 Socket, straight	M8 Socket, straight	M8 Socket, straight
Mounting	Coupling nut	Coupling nut	Coupling nut	Coupling nut
Cable	3-pin	3-pin	3-pin	3-pin
Length (L)	1 m	3 m	5 m	10 m

Model-no.:	KA-11-01	KA-31-01	KA-51-01	KA-101-01
Contacts	M8 Socket, elbow 90°	M8 Socket, elbow 90°	M8 Socket, elbow 90°	M8 Socket, elbow 90°
Mounting	Coupling nut	Coupling nut	Coupling nut	Coupling nut
Cable	3-pin	3-pin	3-pin	3-pin
Length (L)	1 m	3 m	5 m	10 m

Dimensions



Pin assignment



1 = brown
3 = blue
4 = black