

Plug Sockets

1

Design	Туре	For solenoid coil (valves with solenoid coil)						→ Page/Internet					
		D	E	EB	F	N1	N2	٧	Υ	Z	ZB	ZC	
	MSSD-F MSSD-F-M16 MSSD-F-S-M16	-	-	-	-	-	-	-	-	-	-	-	2
	MSSD-C MSSD-C-M16 MSSD-C-S-M16	-	-	-	-	•	-	-	-	-	-	-	3
	MSSD-V MSSD-V-M16	-	-	-	-	-	-	•	-	-	-	-	5
	MSSD-E MSSD-E-M12	-	-	-	-	-	-	-	-	-	-	-	6
	MSSD-EB MSSD-EB-M12 MSSD-EB-S-M14	-	-	•	-	-	•	-	-	-	-	-	7
	MSSD-MY · 7 ·	-	-	-	-	-	-	-	•	•	-	-	8
Lor	MSSD-ZBZC	-	-	-	-	-	-	-	-	-	•	•	9

 $[\]cdot$ **1** \cdot To be discontinued



Design	Туре	For miniature valves	For proportional valves	For valves with central plug		→ Page/Internet
		MHA1PI/ MHP1PI	MPPE/MPPES	ISO 15 407-1	ISO 5599-1	
	PCBC	•	-	-	-	10
	MPPE-3-B	-	•	-	-	11
	SEA-M12-4WD-PG7	-	-			14

Plug sockets MSSD-F Technical data

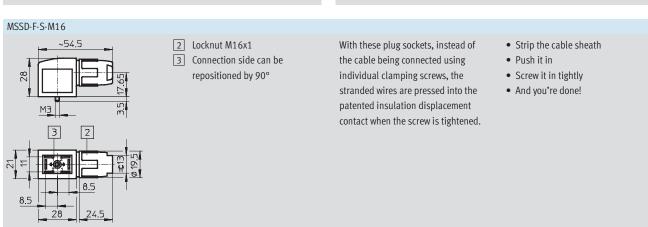


- Temperature range −20 ... +115 °C
- −25 ... +90 °C
- For valves with F solenoid coils
- Cable connection using clamping screws or insulation displacement technology



General technical data				
Туре		MSSD-F	MSSD-F-M16	MSSD-F-S-M16
Cable connection		Clamping screws	Clamping screws	Insulation displacement technology
Perm. cable diameter	[mm]	6 8	6 8	5.5 8
Wire cross section	[mm ²]	Max. 1.5	0,75	0.5 1
Number of pins		3	3	3
Cable conduit fitting		Pg9	M16	-
Type of mounting		M3 central screw	M3 central screw	M3 central screw
Connection frequency		-	50	10
Protection class to EN 60529		IP65 (assembled)	IP65 (assembled)	IP67 (assembled)
Mounting position		Any	Any	Any
Ambient temperature	[°C]	-25 +90	-20 +115	−25 +90
Product weight	[g]	17	35	35
Materials		Polymer	Polyamide	Polyamide

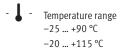
Download CAD data → www.festo.com **Dimensions** MSSD-F MSSD-F-M16 M16×1.5 1 1 Insert can be repositioned by 180°



Ordering data						
Part No.	Туре	Cable connection		Part No.	Туре	Cable connection
34431	MSSD-F	Clamping screws		192746	MSSD-F-S-M16	Insulation displacement

Plug sockets MSSD-C Technical data

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- For valves with D and N1 solenoid coils
- Cable connection using clamping screws or insulation displacement technology

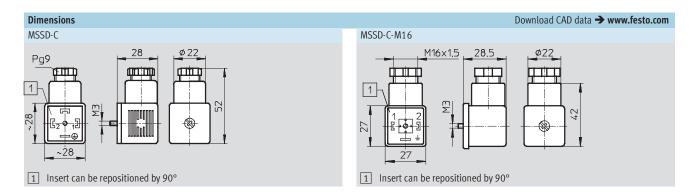


General technical data				
Туре		MSSD-C	MSSD-C-M16	MSSD-C-S-M16
Cable connection		Clamping screws	Clamping screws	Insulation displacement technology
Perm. cable diameter	[mm]	6 8	6 8	5.5 8
Wire cross section	[mm ²]	Max. 1.5	Max. 1.5	0.5 1
Number of pins		3	3	3
Cable conduit fitting		Pg9	M16	M16
Type of mounting		M3 central screw	M3 central screw	M3 central screw
Connection frequency		-	50	10
Protection class to EN 60 529		IP65 (assembled)	IP65 (assembled)	IP67 (assembled)
Mounting position		Any	Any	Any
Product weight	[g]	22		38
Materials		Polymer	Polyamide, reinforced	Polyamide
Note on materials		RoHS-compliant	-	_

Operating and environmental conditions						
Туре	MSSD-C	MSSD-C-M16	MSSD-C-S-M16			
Ambient temperature [°C]	-25 +90	-20 +115	−25 +90			
CE-marking (see declaration of con-	in accordance with EU low-voltage	-	-			
formity)	directive					
Certification	Germanischer Lloyd	-	-			

Plug sockets MSSD-C Technical data





MSSD-C-S-M16 ~54.5 _M3 3 2

With these plug sockets, instead of the cable being connected using individual clamping screws, the stranded wires are pressed into the patented insulation displacement contact when the screw is tightened.

- Strip the cable sheath
- Push it in
- Screw it in tightly
- And you're done!

2	Locknut M16x1
3	Connection side can be
	repositioned by 90°

Ordering data	
Clamping screws	Insulation displacement technology
Part No. Type	Part No. Type
34583 MSSD-C	192748 MSSD-C-S-M16
539709 MSSD-C-M16	

Plug sockets MSSD-V Technical data



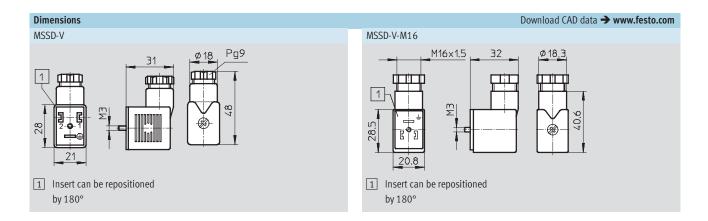


- Temperature range −25 ... +90 °C −20 ... +115 °C

• For valves with V solenoid coils



General technical data			
Туре		MSSD-V	MSSD-V-M16
Perm. cable diameter	[mm]	6 8	6 8
Wire cross section	[mm ²]	Max. 1.5	Max. 1.5
Number of pins		3	3
Cable conduit fitting		Pg9	M16x1.5
Type of mounting		M3 central screw	M3 central screw
Protection class to EN 60529		IP65 (assembled)	IP65 (assembled)
Mounting position		Any	Any
Ambient temperature	[°C]	-25 +90	-20 +115
Product weight	[g]	18	35
Materials		Polymer	Polymer



Ordering data			
	Description	Part No.	Туре
	Plug socket for valves with V solenoid coils	33295	MSSD-V
		539713	MSSD-V-M16

Plug sockets MSSD-E Technical data

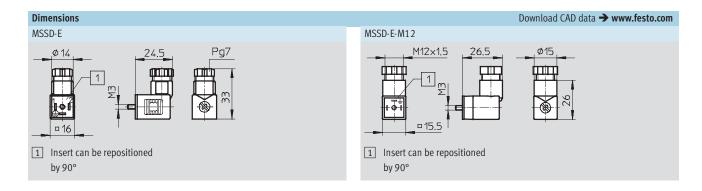
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• For valves with E solenoid coils



General technical data			
Туре		MSSD-E	MSSD-E-M12
Perm. cable diameter	[mm]	6 8	4 8
Wire cross section	[mm ²]	Max. 0.75	Max. 0.75
Number of pins		3	3
Cable conduit fitting		Pg7	M12
Type of mounting		M3 central screw	M3 central screw
Protection class to EN 60529		IP65 (assembled)	IP65 (assembled)
Mounting position		Any	Any
Ambient temperature	[°C]	-25 +120	-20 +115
Product weight	[g]	8	11
Materials		Polymer	Polymer



Ordering data			
	Description	Part No.	Туре
	Plug socket for valves with E solenoid coils	14098	MSSD-E
		539711	MSSD-E-M12

Plug sockets MSSD-EB Technical data





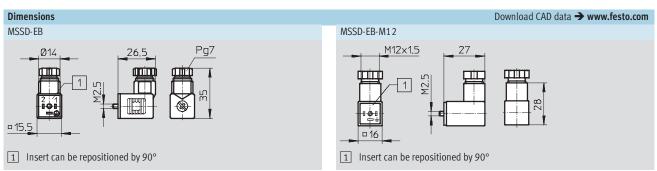
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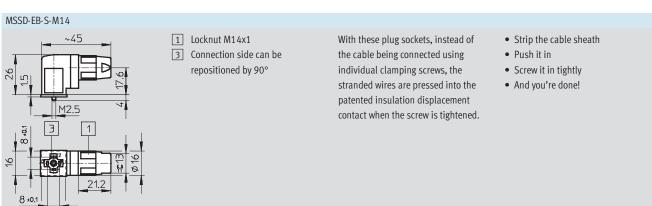
-40 ... +120°C

• For valves with EB and N2 solenoid



General technical data				
Туре		MSSD-EB	MSSD-EB-M12	MSSD-EB-S-M14
Cable connection		Clamping screws	Clamping screws	Insulation displacement technology
Perm. cable diameter	[mm]	6 8	6 8	4 6
Wire cross section	[mm ²]	Max. 0.75	Max. 1,5	0.25 0.5
Number of pins		3	3	3
Cable conduit fitting		Pg7	M12	-
Type of mounting		M2.5 central screw	M2.5 central screw	M2.5 central screw
Connection frequency		-	50	10
Protection class to EN 60529		IP65 (assembled)	IP65 (assembled)	IP67 (assembled)
Mounting position		Any	Any	Any
Ambient temperature	[°C]	-45 +90	-40 +125	-25 +90
Product weight	[g]	11	11	17
Materials		Polymer	Polyamide	Polyamide





Ordering data						
Part No.	Туре	Cable connection		Part No.	Туре	Cable connection
151687	MSSD-EB	Clamping screws		192745	MSSD-EB-S-M14	Insulation displacement
539712	MSSD-EB-M12					technology

Do not use for new designs!

- Type to be discontinued

Plug sockets MSSD-MY Technical data

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• For valves with Y and Z solenoid



General technical data				
Perm. cable diameter	[mm]	6 8		
Wire cross section	[mm ²]	Max. 0.3		
Number of pins		2		
Type of mounting		Clip		
Protection class to EN 60 529		IP00		
Mounting position		Any		
Ambient temperature	[°C]	-25 +80		
Product weight	[g]	2		
Materials		Polymer		



Ordering data			
	Description	Part No.	Туре
\wedge	Plug socket for valves with Y and Z solenoid coils	34 345	MSSD-MY
1299	Crimp connectors for plug socket MSSD-MY	34 346	MSSD-MY-C
THEFT			

Plug sockets MSSD-ZBZC Technical data

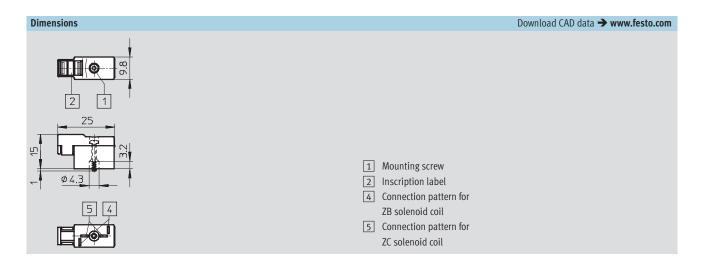




• For valves with ZB and ZC solenoid



General technical data				
Wire cross section	[mm ²]	0.22 0.34		
Number of pins		2		
Type of mounting		Self-tapping central screw		
Protection class to EN 60 529		IP40 (assembled)		
Mounting position		Any		
Ambient temperature	[°C]	-10 +50		
Product weight	[g]	11		
Material		Polyamide		



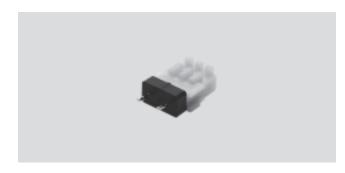
Ordering data			
	Description	Part No.	Туре
(Lee)	Plug socket for valves with ZB and ZC solenoid coils	185 521	MSSD-ZBZC

Soldering base PCBC Technical data

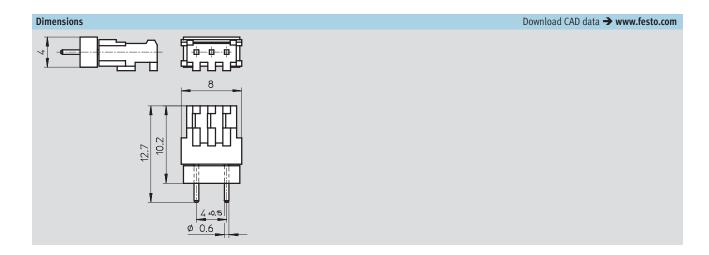
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• For mounting miniature valves MHA1 and MHP1 on a PCB with plug connection underneath (-PI)



General technical data				
Number of pins		2		
Type of mounting		Soldering base		
Protection class to EN 60 529		IP40 (assembled)		
Mounting position		Any		
Ambient temperature	[°C]	-40 +115		
Product weight	[g]	5		
Materials		Polyamide		

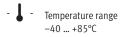


Ordering data			
	Description	Part No. Type	PU ¹⁾
	Soldering base	197 261 PCBC-A-10	10
		197 262 PCBC-A-100	100

1) Packaging unit quantity

Plug sockets MPPE-3-B Technical data

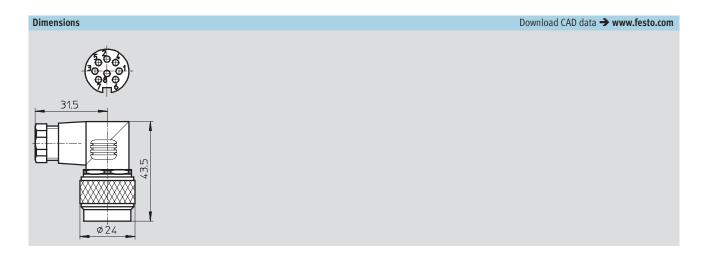




• For proportional pressure regulators MPPE and MPPES



General technical data		
Wire cross section	[mm ²]	Max. 0.75
Number of pins		8
Type of mounting		Knurled locknut M16x0.75
Mounting position		Any
Ambient temperature	[°C]	-40 +85
Product weight	[g]	42



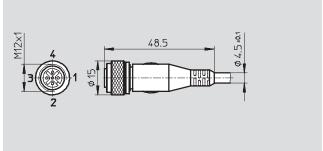
Ordering data			
	Description	Part No.	Туре
1 / 10	Plug socket for proportional pressure regulators MPPE and MPPES	161 839	MPPE-3-B

Plug sockets with cable SIM Technical data – M12x1, 4-pin

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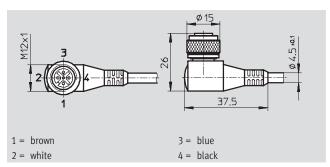
SIM-M12-4GD-5-PU





SIM-M12-4WD-5-PU



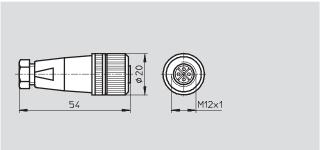


General technical data	General technical data				
			SIM-M12-45-PU		
Electrical data					
Electrical connection			Straight or angled socket, M12x1, 4-pin		
Acceptable current load		[A]	2.8		
Operating voltage range	AC	[V]	≤45		
	DC	[V]	≤70		
Protection class to EN 60 529			IP65/IP67		
Design					
Cable length		[m]	5		
Cable composition		[mm ²]	4x 0.25		
Wire ends			Tin-plated		
Ambient temperature					
Fixed cable installation		[°C]	-40 +70		
Flexible cable installation		[°C]	-5 +70		
Materials					
Cable sheath			Polyurethane		

Ordering data						
		Part No.	Туре	Part No.	Туре	
Connection direction		In-line		Lateral		
Cable length [m]	5	164 259	SIM-M12-4GD-5-PU	164 258	SIM-M12-4WD-5-PU	

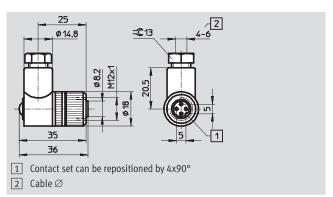
Straight connection socket





Angled connection socket





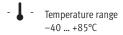
General technical data					
Connection direction		In-line	Lateral		
Electrical connection		Straight socket, M12x1, 4-pin	Angled socket, M12x1, 4-pin		
Operating voltage range	AC	[V]	0 250		
	DC	[V]	0 250		
Acceptable current load at 40 °C		[A]	4		
Surge capacity		[kV]	2.5		
Cable connection		Screw terminal Screw terminal			
Permissible cable diameter		[mm]	4 6		
Connection cross section		[mm ²]	0.25 0.75		
Max. tightening torque		[Nm]	0.5		
Protection class to EN 60529			IP67 (assembled)		
Conforms to			EN 61076-2-101, EN 61984		
Housing material		Polyamide			
Union nut material			Polyamide		
Note on materials			RoHS-compliant		

Operating and environmental conditions				
Ambient temperature [°C]	-25 +85			
CE mark (see declaration of conformity)	To EU Low Voltage Directive			
Degree of contamination	3			

Ordering data							
	Part No.	Туре	Part No.	Туре			
Connection direction	In-line		Lateral				
Plug socket	18 494	SIE-GD	12 956	SIE-WD-TR			

Plug sockets SEA-M12-WD Technical data

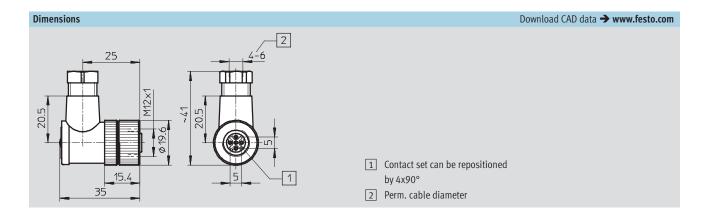
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• For valves to ISO 15 407-1 (VDMA 24 563) and ISO 5599-1 with central plug M12x1



General technical data				
Perm. cable diameter	[mm]	46		
Wire cross section	[mm ²]	Max. 0.75		
Number of pins		4		
Cable conduit fitting		Pg7		
Type of mounting		Knurled locknut M12x1		
Protection class to EN 60 529		IP67 (assembled)		
Mounting position		Any		
Ambient temperature	[°C]	-40 +85		
Product weight	[g]	30		
Material	Housing	Polybutylene terephthalate		
	Contacts	Tin-coated bronze		



Ordering data			
	Description	Part No.	Туре
	Plug socket for valves to ISO 15 407-1 (VDMA 24 563) and ISO 5599-1 with central plug M12x1	185 498	SEA-M12-4WD-PG7

Plug sockets KMYZ-4 Technical data



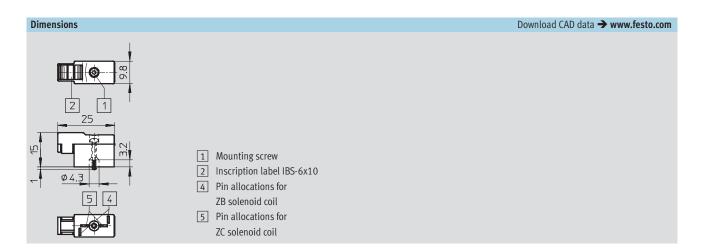


• For use with intrinsically safe CPV valve terminals



General technical data		
Electrical connection		Angled socket, square design MSZB
Wire cross section	[mm ²]	0.22 0.34
Number of pins		2
Type of mounting		Self-tapping central screw
Protection class to EN 60529		IP40 (assembled)
Operating voltage range	[V DC]	3 36
Nominal operating voltage	[V DC]	24
Mounting position		Any
Ambient temperature	[°C]	-10 +50
Product weight	[g]	6.5
Housing material		Polyamide
Note on material		Conforms to RoHS
Corrosion resistance class CRC	1)	1
Certification		Germanischer Lloyd

1) Corrosion resistance class 1 to Festo standard 940 070 Components requiring low corrosion resistance. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers.



Ordering data			
	Description	Part No.	Туре
(.01	Plug socket for use with intrinsically safe CPV valve terminals	550 806	KMYZ-4-0.0-B-EX

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