

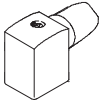

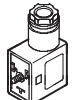
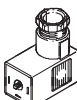
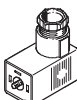



Plug sockets


Product range overview


FESTO




Valve accessories
Plug sockets

7.2

Design	Type	For solenoid coil (valves with solenoid coil)											→ Page
		D	E	EB	F	N1	N2	V	Y	Z	ZB	ZC	
	MSSD-F MSSD-F-M16 MSSD-F-S-M16	-	-	-	■	-	-	-	-	-	-	-	2 / 7.2-11
	MSSD-C MSSD-C-M16 MSSD-C-S-M16	■	-	-	-	■	-	-	-	-	-	-	2 / 7.2-12
	MSSD-V MSSD-V-M16	-	-	-	-	-	-	■	-	-	-	-	2 / 7.2-13
	MSSD-E MSSD-E-M12	-	■	-	-	-	-	-	-	-	-	-	2 / 7.2-14
	MSSD-EB MSSD-EB-M12 MSSD-EB-S-M14	-	-	■	-	-	■	-	-	-	-	-	2 / 7.2-15
	MSSD-MY 	-	-	-	-	-	-	-	■	■	-	-	2 / 7.2-16
	MSSD-ZBZC	-	-	-	-	-	-	-	-	-	■	■	2 / 7.2-17

 To be discontinued

 Note
Allocation of solenoid coils to valve types → 2 / 7.1-1

Design	Type	For miniature valves	For proportional valves	For valves with central plug		→ Page
		MHA1...-PI/ MHP1...-PI	MPPE/MPPES	ISO 15 407-1	ISO 5599-1	
	PCBC	■	-	-	-	2 / 7.2-18
	MPPE-3-B	-	■	-	-	2 / 7.2-19
	SEA-M12-4WD-PG7	-	-	■	■	2 / 7.2-22

Plug sockets MSSD-F

Technical data

FESTO

-  - Temperature range
-25 ... +90 °C

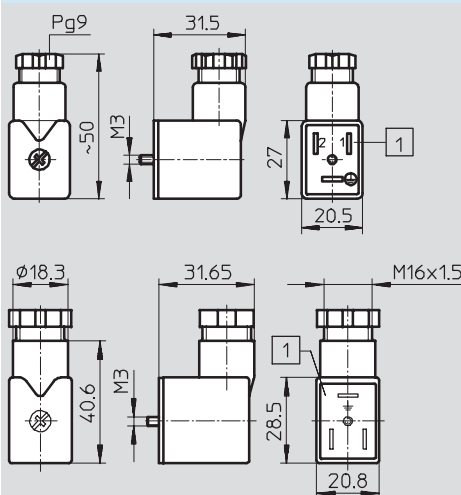
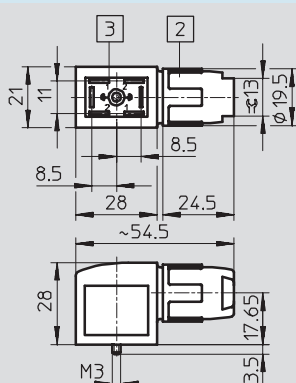
- For valves with F solenoid coils
- Cable connection using clamping screws or insulation displacement technology



Valve accessories
Plug sockets

7.2

General technical data		
Cable connection		
Perm. cable diameter	[mm]	6 ... 8
Wire cross section	[mm ²]	Max. 1.5
Number of pins		3
Cable conduit fitting		Pg9, M16x1.5
Type of mounting		M3 central screw
Connection frequency		10
Protection class to EN 60 529		IP65 (assembled)
Mounting position		Any
Ambient temperature	[°C]	-25 ... +90
Product weight	[g]	17
Materials		Polymer

Dimensions		Download CAD data → www.festo.com/en/engineering
Clamping screws		Insulation displacement technology
		
<p>1 Insert can be repositioned by 180°</p>		<p>2 Locknut M16x1</p> <p>3 Connection side can be repositioned by 90°</p>

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!

Ordering data			
Clamping screws		Insulation displacement technology	
Part No.	Type	Part No.	Type
34 431	MSSD-F	192 746	MSSD-F-S-M16
539 710	MSSD-F-M16		

Plug sockets MSSD-C

Technical data

FESTO

- Temperature range
-25 ... +90 °C

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



General technical data		
Cable connection		
Perm. cable diameter	[mm]	6 ... 8
Wire cross section	[mm ²]	Max. 1.5
Number of pins		3
Cable conduit fitting		Pg9, M16x1.5
Type of mounting		M3 central screw
Connection frequency		10
Protection class to EN 60 529		IP65 (assembled)
Mounting position		Any
Ambient temperature	[°C]	-25 ... +90
Product weight	[g]	22
Materials		Polymer

Dimensions		Download CAD data → www.festo.com/en/engineering
Clamping screws		Insulation displacement technology
<p>1 Insert can be repositioned by 90°</p>		<p>2 Locknut M16x1</p> <p>3 Connection side can be repositioned by 90°</p>

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!

Ordering data		Insulation displacement technology	
Clamping screws			
Part No.	Type	Part No.	Type
34 583	MSSD-C	192 748	MSSD-C-S-M16
539 709	MSSD-C-M16		

Plug sockets MSSD-V

Technical data

FESTO

-  - Temperature range
-25 ... +90 °C

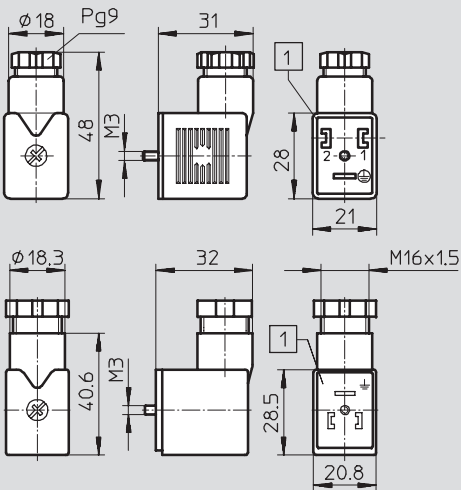
• For valves with V solenoid coils




Valve accessories
Plug sockets

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General technical data		
Perm. cable diameter	[mm]	6 ... 8
Wire cross section	[mm ²]	Max. 1.5
Number of pins		3
Cable conduit fitting		Pg9, M16x1.5
Type of mounting		M3 central screw
Protection class to EN 60 529		IP65 (assembled)
Mounting position		Any
Ambient temperature	[°C]	-25 ... +90
Product weight	[g]	18
Materials		Polymer

Dimensions		Download CAD data → www.festo.com/en/engineering
		
<p>1 Insert can be repositioned by 180°</p>		

Ordering data			
	Description	Part No.	Type
	Plug socket for valves with V solenoid coils	33 295	MSSD-V
		539 713	MSSD-V-M16

Plug sockets MSSD-E

Technical data

FESTO

- Temperature range
-25 ... +120°C

- For valves with E solenoid coils



General technical data		
Perm. cable diameter	[mm]	6 ... 8
Wire cross section	[mm ²]	Max. 0.75
Number of pins		3
Cable conduit fitting		Pg7, M12x1.5
Type of mounting		M3 central screw
Protection class to EN 60 529		IP65 (assembled)
Mounting position		Any
Ambient temperature	[°C]	-25 ... +120
Product weight	[g]	8
Materials		Polymer


Dimensions		Download CAD data → www.festo.com/en/engineering
<p>1 Insert can be repositioned by 90°</p>		

Ordering data			
	Description	Part No.	Type
	Plug socket for valves with E solenoid coils	14 098	MSSD-E
		539 711	MSSD-E-M12

Plug sockets MSSD-EB

Technical data

FESTO

-  - Temperature range
-45 ... +90°C

- For valves with EB and N2 solenoid coils



Valve accessories
Plug sockets

7.2

General technical data		
Cable connection	Clamping screws	Insulation displacement technology
Perm. cable diameter [mm]	6 ... 8	4 ... 6
Wire cross section [mm ²]	Max. 0.75	0.25 ... 0.5
Number of pins	3	3
Cable conduit fitting	Pg7, M12x1.5	–
Type of mounting	M2.5 central screw	M2.5 central screw
Connection frequency	–	10
Protection class to EN 60 529	IP65 (assembled)	IP67 (assembled)
Mounting position	Any	Any
Ambient temperature [°C]	-45 ... +90	-25 ... +90
Product weight [g]	11	17
Materials	Polymer	Polymer

Dimensions

Download CAD data → www.festo.com/en/engineering

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!

1 Insert can be repositioned by 90°

1 Locknut M14x1

3 Connection side can be repositioned by 90°

Ordering data		Insulation displacement technology	
Clamping screws		Part No.	Type
Part No.	Type	Part No.	Type
151 687	MSSD-EB	192 745	MSSD-EB-S-M14
539 712	MSSD-EB-M12		

Do not use for new designs!
 - 1 - Type to be discontinued

Plug sockets MSSD-MY

Technical data

FESTO

•  Temperature range
 -25 ... +80°C

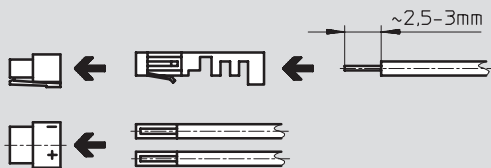
• For valves with Y and Z solenoid coils





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

Assembly instructions for MSSD-MY and MSSD-MY-C

Download CAD data → www.festo.com/en/engineering



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

Plug sockets MSSD-ZBZC

Technical data

FESTO

-  - Temperature range
-10 ... +50°C

- For valves with ZB and ZC solenoid coils



Valve accessories
Plug sockets

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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

Dimensions		Download CAD data → www.festo.com/en/engineering
		<p>1 Mounting screw</p> <p>2 Inscription label</p> <p>4 Connection pattern for ZB solenoid coil</p> <p>5 Connection pattern for ZC solenoid coil</p>

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

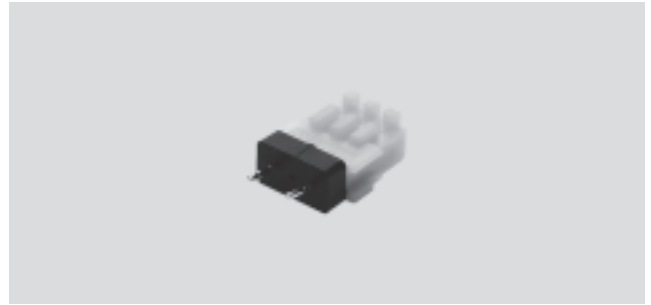
Soldering base PCBC

Technical data

FESTO

- Temperature range
-40 ... +115°C

- 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

Dimensions	Download CAD data → www.festo.com/en/engineering

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

FESTO

-  - Temperature range
-40 ... +85°C

- For proportional pressure regulators MPPE and MPPE-S



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

Dimensions		Download CAD data → www.festo.com/en/engineering
		

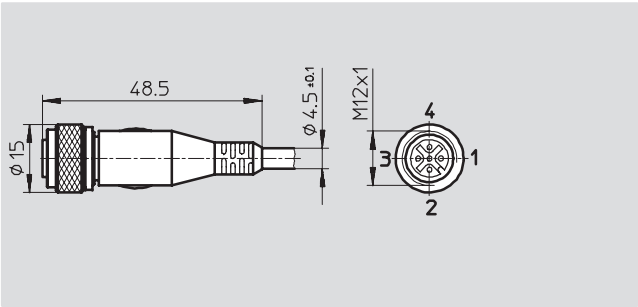
Ordering data			
	Description	Part No.	Type
	Plug socket for proportional pressure regulators MPPE and MPPE-S	161 839	MPPE-3-B

Plug sockets with cable SIM

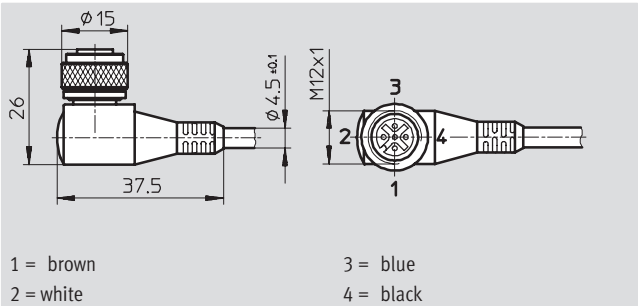
Technical data – M12x1, 4-pin

FESTO

SIM-M12-4GD-5-PU



SIM-M12-4WD-5-PU



General technical data			
		SIM-M12-4...-5-PU	
Electrical data			
Electrical connection		Straight or angled socket, M12x1, 4-pin	
Current-carrying capacity	[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-coated		
Ambient temperature			
Fixed cable installation	[°C]	−40 ... +70	
Flexible cable installation	[°C]	−5 ... +70	
Materials			
Cable sheath	Polyurethane		

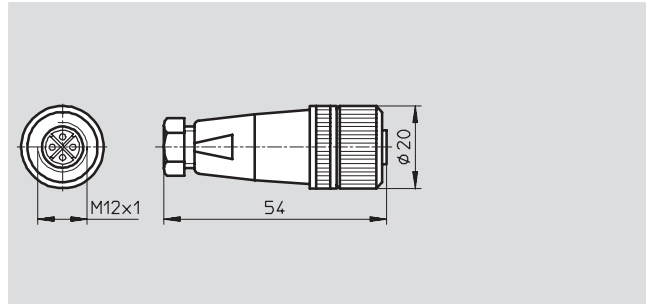
Ordering data				
	Part No.	Type	Part No.	Type
Connection direction	In-line		Lateral	
Cable length [m]	5	164 259 SIM-M12-4GD-5-PU	164 258	SIM-M12-4WD-5-PU

Plug sockets SIE

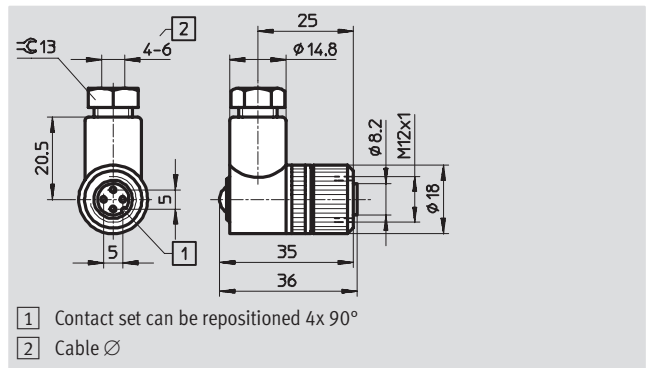
Technical data

FESTO

Straightsocket SIE-GD



Angled plug socket SIE-WD-TR



Valve accessories
Plug sockets

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General technical data			
Connection direction		In-line	Lateral
Electrical data			
Electrical connection		Straight socket, M12x1, 4-pin	
Operating voltage range	AC	[V]	≤125
	DC	[V]	≤150
Current-carrying capacity		[A]	3
Cable connection		Screw terminal	
Perm. cable diameter		[mm]	4 ... 6
Max. wire cross section		[mm ²]	0.75
Ready status display			LED green (accessory)
Protection class to EN 60 529			IP67 (assembled)
Ambient temperature		[°C]	-40 ... +85
Materials			
Housing		Polyamide	

Ordering data			
		Part No.	Type
Connection direction		In-line	Lateral
Plug socket		18 494	SIE-GD
Ready status display		12 956	SIE-WD-TR
		12 957	SIE-LP-LED-GR

Plug sockets SEA-M12-WD

Technical data

FESTO

- Temperature range
-40 ... +85°C

- 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]	4 ... 6
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

Dimensions		Download CAD data → www.festo.com/en/engineering
<p>1 Contact set can be repositioned by 4x90°</p> <p>2 Perm. cable diameter</p>		

Ordering data			
	Description	Part No.	Type
	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