

Pre-assembled plug connectors, square plug, type C

Technical data

Plug socket MSSD-EB

- For valves with EB and N2 solenoid coils



General technical data				
Type	MSSD-EB	MSSD-EB-M12	MSSD-EB-M12-24VDC-SD-EX	MSSD-EB-S-M14
Electrical connection	Angled socket	Angled socket	Angled socket	Socket
	3-pin	3-pin	3-pin	4-pin
	Screw terminal	Screw terminal	Screw terminal	Insulation displacement connector
	Square design MSEB/MSN2	Square design	Square design	–
	Type C	Type C	Type C	Type C
	To EN 175301-803	To EN 175301-803	To EN 175301-803	–
	To DIN EN 61984	–	–	–
Nominal operating voltage	[V AC]	250	–	0 ... 24
	[V DC]	300	–	0 ... 30
Surge resistance	[kV]	4	–	0.8
Acceptable current load	[A]	6	–	6 (at 40 °C)
Cable connector	Pg7	M12	M12	M14
Permissible cable diameter	[mm]	6 ... 8	4 ... 6	4 ... 6
Connection cross section	[mm ²]	0.75	1.5	0.25 ... 0.5
Connection frequency	–	50	–	10
Type of mounting	Central screw M2.5	Central screw M2.5	Central screw M2.5	Central screw M2.5
Max. tightening torque, plug	[Nm]	0.25	–	0.5
Mounting position	Any	Any	–	Any
Protection class to EN 60529	IP65 (assembled)	IP65 (assembled)	IP65 (assembled)	IP67 (assembled)

Materials				
Type	MSSD-EB	MSSD-EB-M12	MSSD-EB-M12-24VDC-SD-EX	MSSD-EB-S-M14
Housing	Plastic	PA reinforced	PA reinforced	PA
Housing colour	Black	–	–	Black
Seals	Nitrile rubber	HNBR	HNBR	–
Note on materials	–	–	RoHS-compliant	–

Operating and environmental conditions				
Type	MSSD-EB	MSSD-EB-M12	MSSD-EB-M12-24VDC-SD-EX	MSSD-EB-S-M14
Ambient temperature	[°C]	–45 ... +90	–40 ... +125	–25 ... +125
CE marking (see declaration of conformity)	To EU Low Voltage Directive ¹⁾	–	–	–
Degree of contamination	3	–	3	–

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com → Support → User documentation.
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

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Dimensions Download CAD data → www.festo.com

MSSD-EB

1 Insert can be repositioned by 90°

MSSD-EB-M12

1 Insert can be repositioned by 90°

MSSD-EB-M12-24VDC-SD-EX

1 Insert can be repositioned by 90°

MSSD-EB-S-M14

1 Insert can be repositioned by 90°

patented insulation displacement contact when the screw is tightened.

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

With these plug sockets, instead of the cable being connected using individual clamping screws, the flying leads are pressed into the

Type	B1	B2	D1 Ø	D2 Ø	D3 Ø	H1	H2	H3	H4	L1	L2	L3	L4	⌀ 1
MSSD-EB	15.5	8	15	7.5	2.5	34	15.5	-	-	26	4	-	-	13
MSSD-EB-M12	16	8	14	M12	2.5	28	16	-	-	25.5	-	-	-	-
MSSD-EB-M12-24VDC-SD-EX	15.6	8	14.6	M12x 1.5	2.5	34.5	16	-	-	26	-	-	-	T8
MSSD-EB-S-M14	16	8	16	13	2.5	45	16	8	21.2	26	4	1.5	17.6	13

Ordering data					
Description	Cable connection	Cable connector	Weight	Part No.	Type
Plug socket for valves with EB and N2-Ma solenoid coils	Screw terminal	Pg7	11 g	151687	MSSD-EB
		M12	11 g	539712	MSSD-EB-M12
		-	-	570367	MSSD-EB-M12-24VDC-SD-EX
	Insulation displacement connector	M14	17 g	192745	MSSD-EB-S-M14