

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	–
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)	3
Cable connector		Pg7	M12	M12	M14
Permissible cable diameter	[mm]	6 ... 8	4 ... 6	4 ... 6	4 ... 6
Connection cross section	[mm ²]	0.75	1.5	0.25 ... 0.5	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	–25 ... +90
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/us/cad

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.

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

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

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	M12x1.5	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

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Festo North America

Festo Regional Contact Center

5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)

Fax: 1.800.96.FESTO (1.800.963.3786)

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Call: 1.866.GO.FESTO (1.866.463.3786)

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Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786)

Fax: 1.877.FX.FESTO (1.877.393.3786)

Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788, USA
www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N
Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330
Woburn, MA 01801, USA

Chicago

1441 East Business Center Drive
Mt. Prospect, IL 60056, USA

Dallas

1825 Lakeway Drive, Suite 600
Lewisville, TX 75057, USA

Detroit – Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326, USA

New York

395 Moreland Road
Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788

Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com

www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4

Phone: 1.905.624.9000; Fax: 1.905.624.9001;

Email: festo.canada@ca.festo.com

www.festo.ca

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquahuac,
54020 Tlalneantla, Edo. de México

Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65;

Email: festo.mexico@mx.festo.com

www.festo.com/mx

Central USA

Festo Corporation
1441 East Business
Center Drive
Mt. Prospect, IL 60056, USA
Phone: 1.847.759.2600
Fax: 1.847.768.9480



Western USA

Festo Corporation
4935 Southfront Road,
Suite F
Livermore, CA 94550, USA
Phone: 1.925.371.1099
Fax: 1.925.245.1286



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