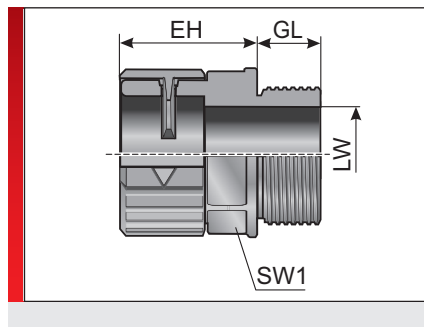


Type MSV (plug-in fitting)



m-fix conduit fitting

PRODUCT INFORMATION

The MSV conduit fittings are made of specially modified polyamide 6. The materials are halogen, phosphor and cadmium-free. The affordable MSV conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Cost reduction through simple assembly work, insert conduit and done

- Simple opening mechanism
- Tightness of IP 54 for static and dynamic application, IP 65 with additional mounting of an O-ring

Specification:

- Germanischer Lloyd Type Approval
- EN 45545-2:2013 3x HL3

SPECIFICATIONS

- Fitting: Mod. polyamide PA 6
- IP 54
IP 65 with sealing ring DR-NBR
- 40 – 110 °C transient / short term
140 °C
- V0 self-extinguishing

Type	Order No.	Colour	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	Pack qty.
Metric thread									
MSV-M12x1.5/7	83602450	Black	M12x1.5	M10/P07	19.00	13.00	8.00	16.00	50
MSV-M12x1.5/9	83602452	Black	M12x1.5	M12/P09	19.00	13.00	8.00	18.00	50
MSV-M12x1.5/11	83602456	Black	M12x1.5	M16/P11	23.00	13.00	8.00	21.00	50
MSV-M16x1.5/9	83602454	Black	M16x1,5	M12/P09	19.00	13.00	12.00	18.00	50
MSV-M16x1.5/11	83602458	Black	M16x1,5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-M20x1.5/11	83602459	Black	M20x1.5	M16/P11	23.00	14.00	13.50	21.00	50
MSV-M20x1.5/16	83602460	Black	M20x1.5	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-M25x1.5/16	83602461	Black	M25x1.5	M20/P16(S)	26.00	14.00	19.00	27.00	50
MSV-M25x1.5/21	83602462	Black	M25x1.5	M25/P21(S)	32.00	14.00	21.00	36.00	50
MSV-M32x1.5/21	83602463	Black	M32x1.5	M25/P21(S)	32.00	14.00	26.00	36.00	50
MSV-M32x1.5/29	83602464	Black	M32x1.5	M32/P29(S)	34.00	14.00	27.00	40.00	25
MSV-M40x1.5/29	83602465	Black	M40x1.5	M32/P29(S)	34.00	14.00	32.00	40.00	25
MSV-M40x1.5/36	83602466	Black	M40x1.5	M40/P36(S)	38.00	16.00	34.00	49.00	10
MSV-M50x1.5/36	83602467	Black	M50x1.5	M40/P36(S)	37.50	16.00	40.00	49.00	10
MSV-M50x1.5/48	83602468	Black	M50x1.5	M50/P48(S)	39.00	16.00	44.00	60.00	10
MSV-M63x1.5/48	83602469	Black	M63x1.5	M50/P48(S)	38.50	16.00	52.00	60.00	10
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MSV-M12x1.5/7	83602410	Grey	M12x1.5	M10/P07	19.00	13.00	8.00	16.00	50
MSV-M12x1.5/9	83602412	Grey	M12x1.5	M12/P09	19.00	13.00	8.00	18.00	50
MSV-M12x1.5/11	83602416	Grey	M12x1.5	M16/P11	23.00	13.00	8.00	21.00	50
MSV-M16x1.5/9	83602414	Grey	M16x1,5	M12/P09	19.00	13.00	12.00	18.00	50
MSV-M16x1.5/11	83602418	Grey	M16x1,5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-M20x1.5/11	83602419	Grey	M20x1.5	M16/P11	23.00	14.00	13.50	21.00	50
MSV-M20x1.5/16	83602420	Grey	M20x1.5	M20/P16(S)	27.00	14.00	15.00	27.00	50

Type MSV (plug-in fitting)

Type	Order No.	Colour	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	Pack qty.
MSV-M25x1.5/16	83602421	Grey	M25x1.5	M20/P16(S)	26.00	14.00	19.00	27.00	50
MSV-M25x1.5/21	83602422	Grey	M25x1.5	M25/P21(S)	32.00	14.00	21.00	36.00	50
MSV-M32x1.5/21	83602423	Grey	M32x1.5	M25/P21(S)	32.00	14.00	26.00	36.00	50
MSV-M32x1.5/29	83602424	Grey	M32x1.5	M32/P29(S)	34.00	14.00	27.00	40.00	25
MSV-M40x1.5/29	83602425	Grey	M40x1.5	M32/P29(S)	34.00	14.00	32.00	40.00	25
MSV-M40x1.5/36	83602426	Grey	M40x1.5	M40/P36(S)	38.00	16.00	34.00	49.00	10
MSV-M50x1.5/36	83602427	Grey	M50x1.5	M40/P36(S)	37.50	16.00	40.00	49.00	10
MSV-M50x1.5/48	83602428	Grey	M50x1.5	M50/P48(S)	39.00	16.00	44.00	60.00	10
MSV-M63x1.5/48	83602429	Grey	M63x1.5	M50/P48(S)	38.50	16.00	52.00	60.00	10
Pg plastic threading									
MSV-Pg 07	83601050	Black	Pg 07	M10/P07	19.00	9.00	8.00	16.00	50
MSV-Pg 09	83601052	Black	Pg 09	M12/P09	19.00	10.00	9.60	18.00	50
MSV-Pg 11	83601054	Black	Pg 11	M16/P11	23.00	10.00	13.80	21.00	50
MSV-Pg 13,5/11	83601055	Black	Pg 13.5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-Pg 13,5/16	83601056	Black	Pg 13.5	M20/P16(S)	27.00	13.00	15.50	27.00	50
MSV-Pg 16/09	83601057	Black	Pg 16	M12/P09	19.00	13.00	27.00	27.00	50
MSV-Pg 16	83601058	Black	Pg 16	M20/P16(S)	27.00	13.00	15.50	27.00	50
MSV-Pg 21/16	83601059	Black	Pg 21	M20/P16	26.00	14.00	36.00	36.00	50
MSV-Pg 21	83601060	Black	Pg 21	M25/P21(S)	32.00	14.00	23.00	36.00	50
MSV-Pg 29	83601062	Black	Pg 29	M32/P29(S)	35.00	14.00	28.00	40.00	25
MSV-Pg 36	83601064	Black	Pg 36	M40/P36(S)	38.00	15.00	40.00	49.00	10
MSV-Pg 48	83601066	Black	Pg 48	M50/P48(S)	39.00	17.00	47.00	60.00	10
Grey plastic threading									
MSV-Pg 07	83601010	Grey	Pg 07	M10/P07	19.00	9.00	8.00	16.00	50
MSV-Pg 09	83601012	Grey	Pg 09	M12/P09	19.00	10.00	9.60	18.00	50
MSV-Pg 11	83601014	Grey	Pg 11	M16/P11	23.00	10.00	13.80	21.00	50
MSV-Pg 13,5/11	83601015	Grey	Pg 13.5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-Pg 13,5/16	83601016	Grey	Pg 13.5	M20/P16(S)	27.00	13.00	15.50	27.00	50
MSV-Pg 16/09	83601017	Grey	Pg 16	M12/P09	19.00	13.00	27.00	27.00	50
MSV-Pg 16	83601018	Grey	Pg 16	M20/P16(S)	27.00	13.00	15.50	27.00	50
MSV-Pg 21/16	83601019	Grey	Pg 21	M20/P16	26.00	14.00	36.00	36.00	50
MSV-Pg 21	83601020	Grey	Pg 21	M25/P21(S)	32.00	14.00	23.00	36.00	50
MSV-Pg 29	83601022	Grey	Pg 29	M32/P29(S)	35.00	14.00	28.00	40.00	25
MSV-Pg 36	83601024	Grey	Pg 36	M40/P36(S)	38.00	15.00	40.00	49.00	10
MSV-Pg 48	83601026	Grey	Pg 48	M50/P48(S)	39.00	17.00	47.00	60.00	10
NPT plastic threading									
MSV NPT 3/8"/11	83602650	Black	3/8"	M16/P11(S)	32.00	8.00	12.00	21.00	50
MSV-NPT 1/2"/16	83602652	Black	1/2"	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-NPT 3/4"/21	83602654	Black	3/4"	M25/P21(S)	32.00	14.00	20.50	36.00	50
MSV-NPT 1"/29	83602656	Black	1"	M32/P29(S)	35.00	16.00	26.50	40.00	25
MSV NPT 1 1/4"/36	83602658	Black	1 1/4"	M40/P36(S)	38.00	15.00	35.00	49.00	25
MSV NPT 2"/48	83602660	Black	2"	M50/P48(S)	40.00	17.00	47.00	60.00	10
Grey plastic threading									
MSV NPT 3/8"/11	83602610	Grey	3/8"	M16/P11(S)	32.00	8.00	12.00	21.00	50

m-fix conduit fitting

Type MSV (plug-in fitting)

Type	Order No.	Colour	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	Pack qty.
MSV-NPT 1/2"/16	83602612	Grey	1/2"	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-NPT 3/4"/21	83602614	Grey	3/4"	M25/P21(S)	32.00	14.00	20.50	36.00	50
MSV-NPT 1"/29	83602616	Grey	1"	M32/P29(S)	35.00	16.00	26.50	40.00	25
MSV NPT 1 1/4"/36	83602618	Grey	1 1/4"	M40/P36(S)	38.00	15.00	35.00	49.00	25
MSV NPT 2"/48	83602620	Grey	2"	M50/P48(S)	40.00	17.00	47.00	60.00	10

MATERIAL PROPERTIES



Fitting: Mod. polyamide PA 6

MECHANICAL PROPERTIES



Protection class
IP 54
IP 65 with sealing ring DR-NBR

THERMAL PROPERTIES



Temperature / temperature range
-40 – 110 °C transient / short term 140 °C

FIRE BEHAVIOUR



Fire classification
V0 self-extinguishing

Fire properties as per EN 45545-2: 2013

C.I.T. R22 / R23 HL3 = 0,43
LOI R22 / R23 HL3 = 33,8 %
Ds (max.) R22 / R23 HL3 = 63

APPROVALS AND OPERATING PERMITS



Railway EU approval



GL approval

TECHNICAL INFORMATION



Halogen-free

CONFORMITY



RoHS (EC Directive 202/95/EC)

GENERAL INFORMATION



Made in Germany

Type MSV (plug-in fitting)

All details given in our sales material prospectuses and catalogues as well as the information available online are based on our current knowledge of the products described.

The electronic data and files made available by Murrplastik, particularly CAD files are based on our current knowledge of the product described.

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