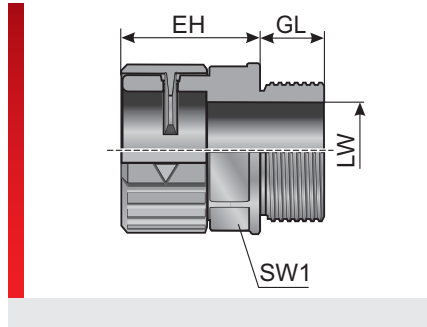


Type MSV (plug-in fitting)



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:

- EN 45545-2 3x HL3
- NFPA 130: ASTM E 162, ASTM E 662
- ECE 324 R 118 Annex 6+8

SPECIFICATIONS

-  Fitting: mod. polyamide PA 6
-  -40 – 110 °C short term 140 °C
-  IP54
IP65 with sealing ring DR-NBR
-  acc. to UL94 V0 self-extinguishing
-  C.I.T. R22 / R23 HL3 : 0,58
LOI R22 / R23 HL3 : ≥ 32 %
Ds (max.) R22 / R23 HL3 : 57
ASTM E 162
-  Boeing BSS 7239
Boeing BSS 7242
Bombardier SMP 800-C
Alcohol
-  Greases
Fuels
Mineral oils

 HF
 RoHS
 EU
 UL
 Made in Germany

Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	PU pcs.
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

Type MSV (plug-in fitting)

Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	PU pcs.
MSV-M12x1,5/7	83602410	Gray		M12x1,5	M10/P07	19.00	13.00	8.00	16.00	50
MSV-M12x1,5/9	83602412	Gray		M12x1,5	M12/P09	19.00	13.00	8.00	18.00	50
MSV-M12x1,5/11	83602416	Gray		M12x1,5	M16/P11	23.00	13.00	8.00	21.00	50
MSV-M16x1,5/9	83602414	Gray		M16x1,5	M12/P09	19.00	13.00	12.00	18.00	50
MSV-M16x1,5/11	83602418	Gray		M16x1,5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-M20x1,5/11	83602419	Gray		M20x1,5	M16/P11	23.00	14.00	13.50	21.00	50
MSV-M20x1,5/16	83602420	Gray		M20x1,5	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-M25x1,5/16	83602421	Gray		M25x1,5	M20/P16(S)	26.00	14.00	19.00	27.00	50
MSV-M25x1,5/21	83602422	Gray		M25x1,5	M25/P21(S)	32.00	14.00	21.00	36.00	50
MSV-M32x1,5/21	83602423	Gray		M32x1,5	M25/P21(S)	32.00	14.00	26.00	36.00	50
MSV-M32x1,5/29	83602424	Gray		M32x1,5	M32/P29(S)	34.00	14.00	27.00	40.00	25
MSV-M40x1,5/29	83602425	Gray		M40x1,5	M32/P29(S)	34.00	14.00	32.00	40.00	25
MSV-M40x1,5/36	83602426	Gray		M40x1,5	M40/P36(S)	38.00	16.00	34.00	49.00	10
MSV-M50x1,5/36	83602427	Gray		M50x1,5	M40/P36(S)	37.50	16.00	40.00	49.00	10
MSV-M50x1,5/48	83602428	Gray		M50x1,5	M50/P48(S)	39.00	16.00	44.00	60.00	10
MSV-M63x1,5/48	83602429	Gray		M63x1,5	M50/P48(S)	38.50	16.00	52.00	60.00	10
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	17.00	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
MSV-Pg 07	83601010	Gray		PG 07	M10/P07	19.00	9.00	8.00	16.00	50
MSV-Pg 09	83601012	Gray		PG 09	M12/P09	19.00	10.00	9.60	18.00	50
MSV-Pg 11	83601014	Gray		PG 11	M16/P11	23.00	10.00	13.80	21.00	50
MSV-Pg 13,5/11	83601015	Gray		PG 13,5	M16/P11	23.00	13.00	12.00	21.00	50
MSV-Pg 13,5/16	83601016	Gray		PG 13,5	M20/P16(S)	27.00	13.00	15.50	27.00	50
MSV-Pg 16/09	83601017	Gray		PG 16	M12/P09	19.00	13.00	27.00	27.00	50
MSV-Pg 16	83601018	Gray		PG 16	M20/P16(S)	27.00	13.00	17.00	27.00	50
MSV-Pg 21/16	83601019	Gray		PG 21	M20/P16	26.00	14.00	36.00	36.00	50
MSV-Pg 21	83601020	Gray		PG 21	M25/P21(S)	32.00	14.00	23.00	36.00	50
MSV-Pg 29	83601022	Gray		PG 29	M32/P29(S)	35.00	14.00	28.00	40.00	25
MSV-Pg 36	83601024	Gray		PG 36	M40/P36(S)	38.00	15.00	40.00	49.00	10
MSV-Pg 48	83601026	Gray		PG 48	M50/P48(S)	39.00	17.00	47.00	60.00	10
MSV-NPT 1/2"/16 ¹⁾	83602652	Black	✓	1/2"	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-NPT 3/4"/21 ¹⁾	83602654	Black	✓	3/4"	M25/P21(S)	32.00	14.00	20.50	36.00	50
MSV-NPT 1"/29 ¹⁾	83602656	Black	✓	1"	M32/P29(S)	35.00	16.00	26.50	40.00	25

Type MSV (plug-in fitting)

Article	Order No.	Color	UV	Connecting thread	Suitable for Murrflex	EH mm	GL mm	LW mm	SW 1 mm	PU pcs.
MSV-NPT 1/2"/16 ¹⁾	83602612	Gray		1/2"	M20/P16(S)	27.00	14.00	15.00	27.00	50
MSV-NPT 3/4"/21 ¹⁾	83602614	Gray		3/4"	M25/P21(S)	32.00	14.00	20.50	36.00	50
MSV-NPT 1"/29 ¹⁾	83602616	Gray		1"	M32/P29(S)	35.00	16.00	26.50	40.00	25
NFPA 130 applies only to the items in the product color black										
¹⁾ Discontinued product!										

MATERIAL PROPERTIES



Material

Fitting: mod. polyamide PA 6

THERMAL PROPERTIES



Temperature / temperature range

-40 – 110 °C short term 140 °C

PROTECTION CLASS



Protection class

IP54

IP65 with sealing ring DR-NBR

FIRE PROPERTIES



Fire classification

acc. to UL94 V0 self-extinguishing



Fire properties as per EN 45545-2

C.I.T. R22 / R23 HL3 : 0,58

LOI R22 / R23 HL3 : ≥ 32 %

Ds (max.) R22 / R23 HL3 : 57



Fire properties as per NFPA

ASTM E 162

Boeing BSS 7239

Boeing BSS 7242

Bombardier SMP 800-C

CHEMICAL RESISTANCE



Resistant to:

Alcohol

Greases

Fuels

Mineral oils

TECHNICAL INFORMATION



Halogen-free

CONFORMITY



RoHS (EC Directive 2011/65/EU)

Type MSV (plug-in fitting)

APPROVALS AND OPERATING PERMITS



EU railway approval
EN 45545-2 R22/R23 3x HL3



cURus approval

GENERAL INFORMATION



Made in Germany

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