



## Type m-seal KV (plastic version)



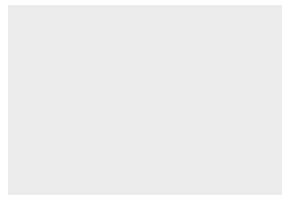
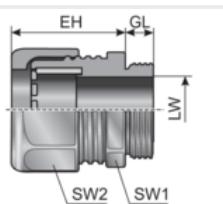
### Product information

The m-seal cable fittings are manufactured of specially modified Polyamide and the seal is made of NBR.

m-seal cable fittings feature the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- Simple, fast assembly without special tools

\*Suitable locknut must be ordered separately.



### Information, conformities and approvals



Article	Order No.	Color	UV	Connecting thread	Clamping range (LW) mm	EH mm	GL mm	SW 1/2 mm	PU pcs.
m-seal KV M12x1,5 3,0-6,5 1)	84181250	Black	✓	M12x1,5	3 - 6,5	22	6	15	100
m-seal KV M16x1,5 4,0-8,0 1)	84181252	Black	✓	M16x1,5	4 - 8	25	8	19	50
m-seal KV M20x1,5 6,0-12,0 2)	84181254	Black	✓	M20x1,5	6 - 12	29	10	24	50
m-seal KV M25x1,5 11,0-17,0 2)	84181256	Black	✓	M25x1,5	11 - 17	33	8	29	50
m-seal KV M32x1,5 15,0-21,0 2)	84181258	Black	✓	M32x1,5	15 - 21	39	10	36	25
m-seal KV M40x1,5 19,0-28,0 2)	84181260	Black	✓	M40x1,5	19 - 28	44	10	46	20
m-seal KV M50x1,5 30,0-38,0 2)	84181262	Black	✓	M50x1,5	30 - 38	49	18	60	10
m-seal KV M63x1,5 34,0-44,0 2)	84181264	Black	✓	M63x1,5	34 - 44	49	18	65	10
m-seal KV M12x1,5 3,0-6,5 1)	84181200	Gray	✗	M12x1,5	3 - 6,5	22	6	15	100
m-seal KV M16x1,5 4,0-8,0 1)	84181202	Gray	✗	M16x1,5	4 - 8	25	8	19	50
m-seal KV M20x1,5 6,0-12,0 2)	84181204	Gray	✗	M20x1,5	6 - 12	29	10	24	50



## Type m-seal KV (plastic version)

Article	Order No.	Color	UV	Connecting thread	Clamping range (LW) mm	EH mm	GL mm	SW 1/2 mm	PU pcs.
m-seal KV M25x1,5 11,0-17,0 2)	84181206	Gray	✗	M25x1,5	11 - 17	33	8	29	50
m-seal KV M32x1,5 15,0-21,0 2)	84181208	Gray	✗	M32x1,5	15 - 21	39	10	36	25
m-seal KV M40x1,5 19,0-28,0 2)	84181210	Gray	✗	M40x1,5	19 - 28	44	10	46	20
m-seal KV M40x1,5 22,0-32,0 3)	84181211	Gray	✗	M40x1,5	22 - 32	51,5	18	53	10
m-seal KV M50x1,5 30,0-38,0 2)	84181212	Gray	✗	M50x1,5	30 - 38	49	18	60	10
m-seal KV M63x1,5 34,0-44,0 2)	84181214	Gray	✗	M63x1,5	34 - 44	49	18	65	10
m-seal KV PG07 3,0-6,5 1)	84181050	Black	✓	PG 07	3 - 6,5	22	8	15	100
m-seal KV PG09 4,0-8,0 1)	84181052	Black	✓	PG 09	4 - 8	25	8	19	50
m-seal KV PG11 5,0-10,0 4)	84181054	Black	✓	PG 11	5 - 10	28	8	22	50
m-seal KV PG13,5 6,0-12,0 2)	84181056	Black	✓	PG 13,5	6 - 12	29	9	24	50
m-seal KV PG16 10,0-14,0 5)	84181058	Black	✓	PG 16	10 - 14	31	10	27	50
m-seal KV PG21 13,0-18,0 2)	84181060	Black	✓	PG 21	13 - 18	35	11	33	25
m-seal KV PG29 18,0-25,0 5)	84181062	Black	✓	PG 29	18 - 25	40	11	42	20
m-seal KV PG36 22,0-32,0 2)	84181064	Black	✓	PG 36	22 - 32	49	13	53	10
m-seal KV PG42 30,0-38,0 2)	84181066	Black	✓	PG 42	30 - 38	49	13	60	10
m-seal KV PG48 34,0-44,0 2)	84181068	Black	✓	PG 48	34 - 44	49	14	65	10
m-seal KV PG07 3,0-6,5 1)	84181000	Gray	✗	PG 07	3 - 6,5	22	8	15	100
m-seal KV PG09 4,0-8,0 1)	84181002	Gray	✗	PG 09	4 - 8	25	8	19	50
m-seal KV PG11 5,0-10,0 4)	84181004	Gray	✗	PG 11	5 - 10	28	8	22	50
m-seal KV PG13,5 6,0-12,0 2)	84181006	Gray	✗	PG 13,5	6 - 12	29	9	24	50
m-seal KV PG16 10,0-14,0 5)	84181008	Gray	✗	PG 16	10 - 14	31	10	27	50
m-seal KV PG21 13,0-18,0 2)	84181010	Gray	✗	PG 21	13 - 18	35	11	33	25



## Type m-seal KV (plastic version)

Article	Order No.	Color	UV	Connecting thread	Clamping range (LW) mm	EH mm	GL mm	SW 1/2 mm	PU pcs.
m-seal KV PG29 18,0-25,0 5)	84181012	Gray	✗	PG 29	18 - 25	40	11	42	20
m-seal KV PG36 22,0-32,0 2)	84181014	Gray	✗	PG 36	22 - 32	49	13	53	10
m-seal KV PG42 30,0-38,0 2)	84181016	Gray	✗	PG 42	30 - 38	49	13	60	10
m-seal KV PG48 34,0-44,0 2)	84181018	Gray	✗	PG 48	34 - 44	49	14	65	10

1) With UR approval  
2) With UL approval  
3) No stock goods, delivery time and minimum order quantities upon request  
4) With cURus- approval  
5) With cULus- approval

### Material properties



Fitting: mod. polyamide PA 6  
Sealing ring: Neoprene (CR) mod. polyamide PA 6  
Neoprene (CR)

### Thermal properties



Temperature / temperature range  
-40 °C - 100 °C / short term: 150 °C

### Protection class



Protection class  
IP68

### Fire properties



Fire classification  
acc. to UL94: V2 self-extinguishing

### Technical information



Halogen-free

### Conformity



RoHS (EC Directive 2011/65/EU)



## Type m-seal KV (plastic version)

### Approvals and operating permits



CSA approval



UL Type 4X



cULus approval



cURus approval

### Classification

ETIM 9: EC000441  
ECLASS 14: 27140801  
UNSPSC 26.0801: 39131711

### General technical data



00

All details given in our sales brochures 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. A legally binding assurance of certain properties or the suitability for a certain purpose can not be determined from this information. All information with respect to the chemical and physical properties of Murrplastik products, as well as application advice given verbally, in writing or by tests, is given to the best of our knowledge. They do not release the buyer from the obligation to carry out his own tests and trials in order to determine the concrete suitability of the products for the intended purpose. Murrplastik accepts no responsibility for the available information being up-to-date, correct or complete. Neither do we accept responsibility for the quality of this information. Murrplastik accepts no liability for damage caused as a result of using our products. Murrplastik reserves the right to make technical changes and improvements through constant further development of products and services. Our General Terms and Conditions apply.

Recommended torques for  
**murrplastik connectors, corrugated  
conduits and cable fittings**



**holders, lock nuts and reducers**





Recommended torques for  
**murrplastik connectors, corrugated conduits and cable fittings,  
holders, lock nuts and reducers**

**Fastening with lock nut**

<b>Metric thread EN 60423</b>	<b>Connecting thread and lock nut made of polyamide</b>	<b>Connection thread and lock nut made of metal</b>
M12x1.5	2.0 Nm	5.0 Nm
M16x1.5	3.0 Nm	7.0 Nm
M20x1.5	4.0 Nm	8.0 Nm
M25x1.5	5.0 Nm	10.0 Nm
M32x1.5	6.0 Nm	12.0 Nm
M40x1.5	11.0 Nm	16.0 Nm
M50x1.5	15.0 Nm	17.0 Nm
M63x1.5	16.0 Nm	18.0 Nm

<b>Pg thread DIN 40430</b>	<b>Connecting thread and lock nut made of polyamide</b>	<b>Connection thread and lock nut made of metal</b>
Pg 7	2.0 Nm	4.0 Nm
Pg 9	2.5 Nm	4.0 Nm
Pg 11	3.5 Nm	6.0 Nm
Pg 13.5	4.0 Nm	7.0 Nm
Pg 16	4.5 Nm	8.0 Nm
Pg 21	7.5 Nm	10.0 Nm
Pg 29	9.0 Nm	13.0 Nm
Pg 36	14.0 Nm	15.0 Nm
Pg 42	15.0 Nm	16.0 Nm
Pg 48	16.0 Nm	17.0 Nm

**Please note the following information:**

- The specified tightening torques are maximum values and should not be exceeded.
- The values are based on measurements under normal climate conditions (23°C / 50% rel. humidity). During assembly and operation, the prevailing climatic conditions should also be taken into account, as these can affect the properties of the components.
- Please consider the properties of the other components with which the murrplastik elements are connected.
- Locking and sealing elements tightened with a lower torque provide better long-term strength.



## Recommended torques for **Screws and nuts**

### Torques for screws and nuts

Thread size	Torques
M4	2.0 Nm
M5	3.0 Nm
M6	4.0 Nm
M8	10.0 Nm
M10	15.0 Nm

### Product examples from our webshop range



**Series m-pro**



**Series m-fix**



**UHE Holder**

on to the product

[shop.murrplastik.de](http://shop.murrplastik.de)

on to the product

[shop.murrplastik.de](http://shop.murrplastik.de)

on to the product

[shop.murrplastik.de](http://shop.murrplastik.de)

More info at

[shop.murrplastik.de](http://shop.murrplastik.de)

**Murrplastik  
Systemtechnik GmbH**

Dieselstraße 10  
71570 Oppenweiler  
Germany

Phone: +49 7191 4820  
info@murrplastik.de

Managing Directors:  
Jürgen Zeltwanger (CEO)  
Gerd Nothdurft (COO)

HRB 271053 Local court Stuttgart  
VAT ID: DE 144 744 122



MP8902834212

23



0601HS

More info at

[murrplastik.de](http://murrplastik.de)