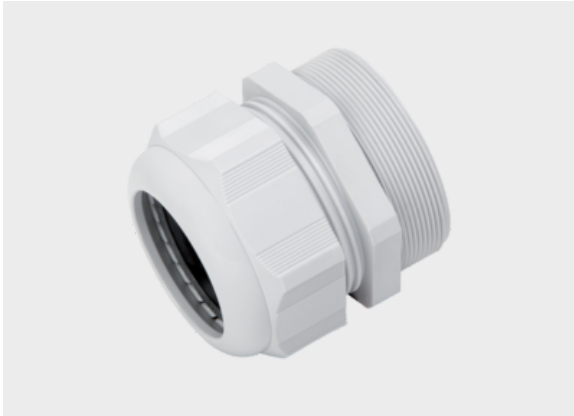




## Type m-seal KV (plastic version)



### Product information

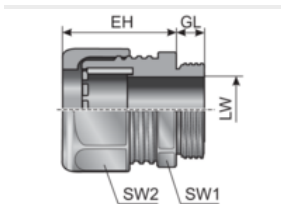
The m-seal cable fittings are manufactured of specially modified Polyamide and the seal is made of NBR.

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 cULus- 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



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# 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

Metric thread EN 60423	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
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

Pg thread DIN 40430	Connecting thread and lock nut made of polyamide	Connection thread and lock nut made of metal
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**

on to the product

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



**Series m-fix**

on to the product

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



**UHE Holder**

on to the product

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

More info at

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

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More info at

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