

KVT series

Split cable glands

with IP54 rating



KVT is a circular split frame for quick and easy installation and sealing of cables with connectors or complete cable harnesses.

Polyamide locknuts as well as a sealing ring are included in the shipment. For routing D-Sub, DVI or PROFIBUS connectors in combination with the split cable glands KVT, special locknuts with cut-outs are required.

Advantages & benefits

- Insertion of pre-terminated cables
- Maintain manufacturer's warranty on pre-terminated cables
- Retrofittings, repairs and maintenance can be done much more easily and quickly
- High cable density, wide variety of grommets
- Suitable for metric cut-outs
- Locknut is included

Specifications

Material	Polycarbonate (PC)
Colour	<div>■ grey (similar RAL 7035)</div> <div>■ black</div>
Flame class	UL 94 V-0, self-extinguishing
IP rating	IP54, with gasket and correct selection of the cable grommets (certified acc. to EN 60529)
UL type rating	UL type 12 (acc. to UL 50E)
Temperature	-30°C to +100°C (static)
Properties	Halogen-free, silicone-free
Cut-out dimension	Metric sizes

Accessories

KT Cable grommets	74 - 89
AT Adapter grommets	90 - 101
KVT-EMC Brackets	263
Locknuts	346
ST Plugs	85

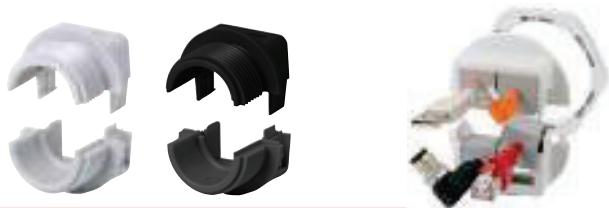
Description	Type	Order No.	Grommets small large	Thread Thread length	PU
	KVT 20**	<div>■ 45034</div> <div>■ 45024</div>	1 -	M20 × 1.5 Length: 14 mm	10
	KVT 25***	<div>■ 45035</div> <div>■ 45025</div>	1 -	M25 × 1.5 Length: 14 mm	10
	KVT 32	<div>■ 45036</div> <div>■ 45026</div>	1 -	M32 × 1.5 Length: 14 mm	10
	KVT 32 + KGM-SUB-D9	<div>■ 45037</div> <div>■ 45027</div>	1 -	M32 × 1.5 Length: 14 mm	10



Single-piece packaging units are available on request.



KVT
Split cable glands



Locknuts

Locknuts with special cut-outs are available separately.
The cut-out dimensions are listed on page 292.

KGM-SUB-D9 fits D-Sub 9 connectors
(Required wall cut-out: \varnothing 36 mm, PU: 10)
■ Order No. 45105 ■ Order No. 45106

KGM-PB fits DVI and PROFIBUS connectors
(Required wall cut-out: \varnothing 42 mm, PU: 10)
■ Order No. 45107 ■ Order No. 45109

KGM-SUB-D25 fits SUB-D25 connectors
(Required wall cut-out: \varnothing 50 - 54 mm, PU:10)
■ Order No. 45108 ■ Order No. 45110

Description	Type	Order No.	Grommets small large	Thread Thread length	PU
	KVT 40	■ 45203 ■ 45028	1 -	M40 x 1.5 Length: 14 mm	10
	KVT 40 + KGM-PB	■ 45205 ■ 45029	1 -	M40 x 1.5 Length: 14 mm	10
	KVT 50 2 *	■ 45204 ■ 45030	2 -	M50 x 1.5 Length: 14 mm	5
	KVT 50 2 * + KGM-SUB-D25	■ 45206 ■ 45031	2 -	M50 x 1.5 Length: 14 mm	5
	KVT 63 1	■ 45212 ■ 45112	- 1	M63 x 1.5 Length: 14 mm	5
	KVT 63 4	■ 45215 ■ 45115	4 -	M63 x 1.5 Length: 14 mm	5

Single-piece packaging units are available on request.



Type GMT: Split locknut, p. 346



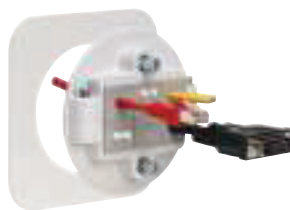
The cable glands enable the integration of the IMAS-CONNECT™ adapter grommets

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* Only valid for grey product types | ■ cannot be combined with adapter grommet AT-K-M

KVT 80

Split cable glands for front mounting



The KVT 80 split cable glands are designed for routing and sealing cables with connectors. By assembling the two frame halves with the screws provided, the grommets provide sufficient pressure on the routed cables to obtain a high degree of strain relief. The KVT 80 can be fitted to a wall thickness from 1.5 mm to 10 mm. A flat rubber gasket is included in the shipment.

Advantages & benefits

- Insertion of pre-terminated cables
- Maintain manufacturer's warranty on pre-terminated cables
- Retrofittings, repairs and maintenance can be done much more easily and quickly
- High cable density, wide variety of grommets
- Fast and easy mounting from the front
- Strain relief according to EN 62444

Note

When mounting the KVT 80 on sheet metal, we recommend the following torque values:
1.5 mm sheet = 1 N m | 2 – 10 mm sheet = 1.5 N m

Specifications

Material	Polycarbonate (PC)
Colour	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: grey; margin-right: 5px;"></div> grey (similar RAL 7035) <div style="width: 10px; height: 10px; background-color: black; margin-left: 10px; margin-right: 5px;"></div> black </div>
Flame class	UL 94 V-0, self-extinguishing
IP rating	IP54, with gasket and correct selection of the cable grommets (certified acc. to EN 60529)
UL type rating	UL type 12 (acc. to UL 50E)
Temperature	-30°C to +100°C (static)
Properties	Halogen-free, silicone-free
Cut-out dimension	80 mm in diameter

Accessories

Cable grommets	74 - 89
ST Plugs	85

Description	Type	Order No.	Grommets KT small large	PU
	KVT 80 3	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: grey; margin-right: 5px;"></div> 45236 <div style="width: 10px; height: 10px; background-color: black; margin-left: 10px; margin-right: 5px;"></div> 45239 </div>	2 1	1
	KVT 80 6	<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: grey; margin-right: 5px;"></div> 45237 <div style="width: 10px; height: 10px; background-color: black; margin-left: 10px; margin-right: 5px;"></div> 45238 </div>	6 -	1

