

KEL-ER 24 Cable Entry Frames



V2A
anti-corrosive
KEL-ER also available with
V2A screws.



KEL-ER on request also avail-
able with threaded bushings.



Split inserts



Type	Order No.	Inserts KT small large	PU	Description
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KEL-ER 24 10	48241	10 -	10	
KEL-ER 24 10 with V2A screws	48241.200	10 -	10	
KEL-ER 24 7	48247	6 1	10	
KEL-ER 24 7 with V2A screws	48247.200	6 1	10	
KEL-ER 24 4	48244	2 2	10	
KEL-ER 24 4 with V2A screws	48244.200	2 2	10	

Product Description

Split cable entry system for routing and sealing pre-terminated cables, providing a protection class of IP65 and strain relief for cable diameters from 2 to 16 mm (KT 2 - 15) and 16 to 34 mm (KT 16 - 34).

The new cable entry system is easy to install. Cable inserts are placed into compartments and are securely fixed to the frame during assembly. The KEL-ER 24 frame matches exactly the cut-out dimensions for 24-pole standard industrial connectors.

Advantages

- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- High packing density, wide variety of frames and inserts
- Strain relief according to EN 50262
- Vibration proof

Specifications

Material	Polyamide (PA)
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65, with gasket and correct selection of single cable inserts (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 140°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	36 x 112 mm / page 158 - 159
Height KEL	17 mm

Accessories

KT Cable inserts	Page 30 - 34
KEL-SNAP Mounting frames	Page 22 - 23
KEL-EMC Cable collectors	Page 108 - 109
KDR Base plates	Page 126 - 131
FP Flanged plates	Page 132 - 137
MP Module plates	Page 138

KEL-ER 16

Cable Entry Frames



KEL-ER also available with V2A screws.



KEL-ER on request also available with threaded bushings.



Type	Order No.	Inserts KT small large	PU	Description
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KEL-ER 16 8	48168	8 -	10	
KEL-ER 16 8 with V2A screws	48168.200	8 -	10	
KEL-ER 16 5	48165	4 1	10	
KEL-ER 16 5 with V2A screws	48165.200	4 1	10	
KEL-ER 16 2	48162	- 2	10	
KEL-ER 16 2 with V2A screws	48162.200	- 2	10	

Product Description

Split cable entry system for routing and sealing pre-terminated cables, providing a protection class of IP65 and strain relief for cable diameters from 2 to 16 mm (KT 2 - 15) and 16 to 34 mm (KT 16 - 34).

The new cable entry system is easy to install. Cable inserts are placed into compartments and are securely fixed to the frame during assembly. The KEL-ER 16 frame matches exactly the cut-out dimensions for 16-pole standard industrial connectors.

Advantages

- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- High packing density, wide variety of frames and inserts
- Strain relief according to EN 50262
- Vibration proof

Specifications

Material	Polyamide (PA)
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65, with gasket and correct selection of single cable inserts (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 140°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	36 × 86 mm / Page 158 - 159
Height KEL	17 mm

Accessories

KT Cable inserts	Page 30 - 34
KEL-SNAP Mounting frames	Page 22 - 23
KEL-EMC Cable collectors	Page 108 - 110
KDR Base plates	Page 126 - 131
FP Flanged plates	Page 132 - 137

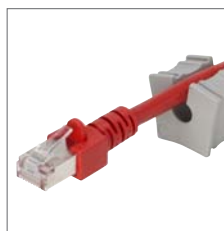
KEL-ER 10 Cable Entry Frames



V2A
anti-corrosive
KEL-ER also available with
V2A screws.



KEL-ER on request also avail-
able with threaded bushings.



Split inserts



IP65

1

Type	Order No.	Inserts KT small large	PU	Description
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KEL-ER 10 6	48216	6 -	10	
KEL-ER 10 6 with V2A screws	48216.200	6 -	10	
KEL-ER 10 3	48212	2 1	10	
KEL-ER 10 3 with V2A screws	48212.200	2 1	10	

Product Description

Split cable entry system for routing and sealing pre-terminated cables, providing a protection class of IP65 and strain relief for cable diameters from 2 to 16 mm (KT 2 - 15) and 16 to 34 mm (KT 16 - 34).

The new cable entry system is easy to install. Cable inserts are placed into compartments and are securely fixed to the frame during assembly. The KEL-ER 10 frame matches exactly the cut-out dimensions for 10-pole standard industrial connectors.

Advantages

- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- High packing density, wide variety of frames and inserts
- Strain relief according to EN 50262
- Vibration proof

Specifications

Material	Polyamide (PA)
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65, with gasket and correct selection of single cable inserts (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 140°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	36 × 65 mm / Page 158 - 159
Height KEL	17 mm

Accessories

KT Cable inserts	Page 30 - 34
KEL-SNAP Mounting frames	Page 22 - 23
KEL-EMC Cable collectors	Page 108 - 110

KEL-ER-B Cable Entry Frames



V2A
anti-corrosive

KEL-ER also available with
V2A screws.



KEL-ER on request also avail-
able with threaded bushings.



IP65

Type	Order No.	Inserts KT small large	PU	Description
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KEL-ER-B4	48204	4 -	10	
KEL-ER-B4 with V2A screws	48204.200	4 -	10	
KEL-ER-B1	48206	- 1	10	
KEL-ER-B1 with V2A screws	48206.200	- 1	10	

Product Description

Split cable entry system for routing and sealing pre-terminated cables, providing a protection class of IP65 and strain relief for cable diameters from 2 to 16 mm (KT 2 - 15) and 16 to 34 mm (KT 16 - 34).

The new cable entry system is easy to install. Cable inserts are placed into compartments and are securely fixed to the frame during assembly. The KEL-ER-B frame matches exactly the cut-out dimensions of 46 × 46 mm measuring instruments.

Advantages

- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- Small cut-out, high packing density
- Strain relief according to EN 50262
- Vibration proof

Specifications

Material	Polyamide (PA)
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65, with gasket and correct selection of single cable inserts (certified according to DIN EN 60529:2000-09)
Temperature	- 40°C to + 140°C (static)
Properties	Halogen free, silicone free
Cut-out dimensions	46 × 46 mm / Page 158 - 159
Height KEL	17 mm

Accessories

KT Cable inserts	Page 30 - 34
KEL-SNAP Mounting frames	Page 22 - 23
KEL-EMC Cable collectors	Page 108 - 110
FP Flanged plates	Page 132 - 137

KEL-ER-E

Cable Entry Frames



V2A
anti-corrosive

KEL-ER also available with V2A screws.



KEL-ER on request also available with threaded bushings.



IP65

Type	Order No.	Cut-out [mm]	Inserts KT small large	PU	Description
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KEL-ER-E2	48249	43 × 24	2 -	10	
KEL-ER-E2 with V2A screws	48249.200	43 × 24	2 -	10	
KEL-ER-E3	48258	65 × 24	3 -	10	
KEL-ER-E3 with V2A screws	48258.200	65 × 24	3 -	10	
KEL-ER-E4	48259	86 × 24	4 -	10	
KEL-ER-E4 with V2A screws	48259.200	86 × 24	4 -	10	
KEL-ER-E5	48250	112 × 24	5 -	10	
KEL-ER-E5 with V2A screws	48250.200	112 × 24	5 -	10	

Product Description

Split cable entry system for routing and sealing pre-terminated cables, providing a protection class of IP65 and strain relief for cable diameters from 2 to 16 mm (KT 2 - 15). It is particularly suited for flat connectors. The small frame is ideal for applications with limited space.

The new cable entry system is easy to install. Cable inserts are placed into compartments and are securely fixed to the frame during assembly.

Advantages

- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- Strain relief according to EN 50262
- Space saving shape
- Optimal for D-Sub connectors
- Vibration proof

Specifications

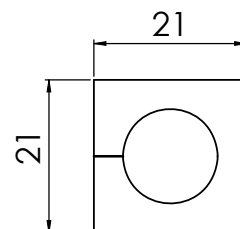
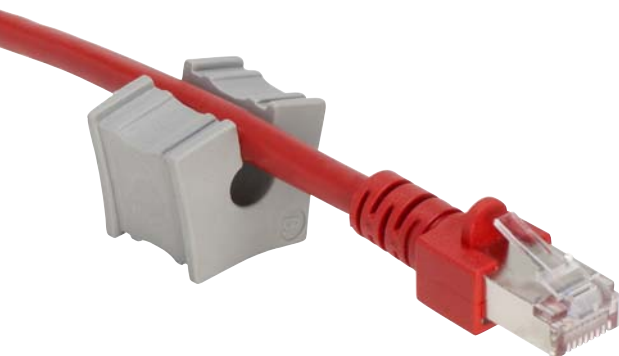
Material	Polyamide (PA)
Flame class	UL94-Vo, self-extinguishing
Protection class	IP65, with gasket and correct selection of single cable inserts (certified according to DIN EN 60529:2000-09)
Temperature Properties	- 40°C to + 140°C (static)
Height KEL	Halogen free, silicone free 17 mm

Accessories

KT Cable inserts	Page 30 - 34
KEL-EMC Cable collectors	Page 108 - 110

KT

Inserts, small



1

Product Description

Cable inserts KT small are used with the following cable entry frames:

- KEL(-ER) | Page 6 - 18
- KEL-FG | Page 20 - 21
- KEL-FL | Page 36
- KVT range | Page 22 - 28

The model range KT small is designed for cable diameters from 2 to 17 mm.

Assembly

When installing the insert, the smooth side of the insert faces the middle of the cable entry frame.

Specifications KT gray

Material: Elastomer
Flame class: UL94-Vo, self-extinguishing
Temperature: - 40°C to + 90°C (static)
Properties: Halogen free, silicone free

Specifications KT black

Material: Elastomer
Flame class: UL94-HB
Temperature: - 30°C to + 90°C (static)
Properties: Higher chemical resistance, UV-stabilized

Accessories

ST Plugs | Page 35

Description	Type	Order No gray	Order No black	Clamping range	PU
BTK		41251	41351	Blind insert	10
KT	KT 2	39934	41302	2 - 3 mm	10
	KT 3	41203	41303	3 - 4 mm	10
	KT 4	41204	41304	4 - 5 mm	10
	KT 5	41205	41305	5 - 6 mm	10
	KT 6	41206	41306	6 - 7 mm	10
	KT 7	41207	41307	7 - 8 mm	10
	KT 8	41208	41308	8 - 9 mm	10
	KT 9	41209	41309	9 - 10 mm	10
	KT 10	41210	41310	10 - 11 mm	10
	KT 11	41211	41311	11 - 12 mm	10
	KT 12	41212	41312	12 - 13 mm	10
	KT 13	41213	41313	13 - 14 mm	10
	KT 14	41214	41314	14 - 15 mm	10
	KT 15	41215	41315	15 - 16 mm	10
	KTs 16	39901	39912	16 mm	10
	KTs 17	39900	39913	17 mm	10
KT oval	KT oval	39930	-	approx. 8 × 4 mm	10
KT S1	KT S1	39931	-		10
KT tele	KT tele	39929	-	Telephone cable	10
KT tele1	KT tele1	41257	-	Data cable RJ12	10
KT tele2	KT tele2	41258	-	Data cable RJ10 / RJ45	10

*Only valid for gray product types

KT

Inserts, small



Type	Order No gray	Order No black	Clamping range	PU	Description
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KT 2 2	☐ 39935	☒ 39936	2× Ø 2 mm	10	 KT 2 x
KT 2 3	☐ 39939	☒ 39940	2× Ø 3 mm	10	
KT 2 4	☐ 39906	☒ 39907	2× Ø 4 mm	10	
KT 2 5	☐ 41200	☒ 39904	2× Ø 5 mm	10	
KT 2 6	☐ 41201	☒ 39905	2× Ø 6 mm	10	
KT 2 7	☐ 41202	☒ 39916	2× Ø 7 mm	10	
KT 2 8	☐ 39917	☒ 39918	2× Ø 8 mm	10	
KT 4 2	☐ 39937	☒ 39938	4× Ø 2 mm	10	 KT 4 x
KT 4 3	☐ 39914	☒ 39915	4× Ø 3 mm	10	
KT 4 4	☐ 39909	☒ 39911	4× Ø 4 mm	10	
KT 4 5	☐ 39908	☒ 39910	4× Ø 5 mm	10	
KT 4 6	☐ 39932	☒ 39933	4× Ø 6 mm	10	
KT-ASI	☐ 39902	☒ 39903	1 ASI-cable	10	 KT ASI2 I
KT-ASI2 I	☐ 39922	☒ 39924	2 ASI-cables	10	
KT-ASI2 II	☐ 39921	☒ 39923	2 ASI-cables	10	
					 KT ASI2 II

*Only valid for gray product types

Product Description

Cable inserts KT small are used with the following cable entry frames:

- KEL(-ER) | Page 6 - 18
- KEL-FG | Page 20 - 21
- KEL-FL | Page 36
- KVT range | Page 22 - 28

The model range KT small is designed for cable diameters from 2 to 17 mm.

Assembly

When installing the insert, the smooth side of the insert faces the middle of the cable entry frame.

☐ Specifications KT gray

Material	Elastomer
Flame class	UL94-Vo, self-extinguishing
Temperature	- 40°C to+ 90°C (static)
Properties	Halogen free, silicone free

☒ Specifications KT black

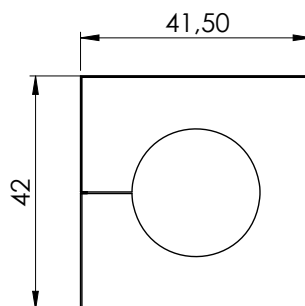
Material	Elastomer
Flame class	UL94-HB
Temperature	- 30°C to + 90°C (static)
Properties	Higher chemical resistance, UV-stabilized

Accessories

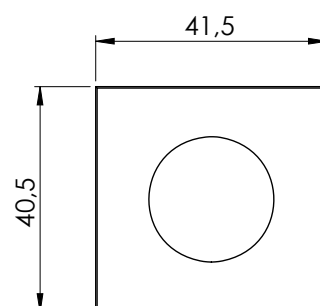
ST Plugs | Page 35

KT

Inserts, large



KT / KT-DPF large



KTMB large

Product Description

Cable inserts KT large accept a wide range of cable diameters from 16 to 34 mm. They are used with the following cable entry frames:

- KEL(-ER) | Page 6 - 17
- KVT | Page 24 - 28
- KEL 183 | Page 38

ATG adapter inserts provide the possibility to hold a small KT insert to reduce the clamping range down to 2 mm.

Specifications KT gray

Material: Elastomer
Flame class: UL94-Vo, self-extinguishing
Temperature: - 40°C to + 90°C (static)
Properties: Halogen free, silicone free

Specifications KT black

Material: Elastomer
Flame class: UL94-HB
Temperature: - 30°C to + 90°C (static)
Properties: Higher chemical resistance, UV-stabilized

Description	Type	Order No. gray	Order No. black	Clamping range	PU
ATG	ATG	41253	41353	Adapter insert	10
BTG	BTG	41252	41352	Blind insert or 5 - 20 mm	10
KT 28	KT 16	41216	41316	16 - 17 mm	10
	KT 17	41217	41317	17 - 18 mm	10
	KT 18	41218	41318	18 - 19 mm	10
	KT 19	41219	41319	19 - 20 mm	10
	KT 20	41220	41320	20 - 21 mm	10
	KT 21	41221	41321	21 - 22 mm	10
	KT 22	41222	41322	22 - 23 mm	10
	KT 23	41223	41323	23 - 24 mm	10
	KT 24	41224	41324	24 - 25 mm	10
	KT 25	41225	41325	25 - 26 mm	10
	KT 26	41226	41326	26 - 27 mm	10
	KT 27	41227	41327	27 - 28 mm	10
	KT 28	41228	41328	28 - 29 mm	10
	KT 29	41229	41329	29 - 30 mm	10
	KT 30	41230	41330	30 - 32 mm	10
	KT 32	41232	41332	32 - 33 mm	10
	KT 34	41234	41334	33 - 34 mm	10

*Only valid for gray product types

ST Plugs



Type	Order No.	Diameter D	Length L	PU	Description
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ST 2	42909	2 mm	25 mm	25	
ST 3	42901	3 mm	25 mm	25	
ST 4	42908	4 mm	25 mm	25	
ST 5	42906	5 mm	25 mm	25	
ST 6	42903	6 mm	25 mm	25	
ST 7	42905	7 mm	25 mm	25	
ST 8	42899	8 mm	20 mm	25	
ST 9	42897	9 mm	20 mm	25	
ST 10	42895	10 mm	20 mm	25	
ST 11	42893	11 mm	20 mm	25	
ST 12	42891	12 mm	20 mm	25	
ST 13	42889	13 mm	20 mm	25	
ST 14	42887	14 mm	20 mm	25	
ST 15	42885	15 mm	20 mm	25	
ST 16	42883	16 mm	20 mm	25	
ST 17	42881	17 mm	20 mm	25	
ST ASI	42877	-	25 mm	25	

Product Description

Plugs are used to close either KT or QT inserts which are not equipped with cables.

Perfect for applications where cables have been removed or might be routed at a later stage.

Advantages

- Sealing unused cable entries

Specifications

Material	Polyamide (PA), white
Flame class	UL94-Vo, self-extinguishing
Temperature	- 40°C to + 120°C
Properties	Halogen free, silicone free

Fits with

KT Cable inserts	Page 30 - 32
QT Cable inserts	Page 48