

Product overview

Cable management systems

Cable entry systems & cable glands for cables with connectors



KEL-U

up to
IP68
certified



KVT-ER



KEL-FA

The patented cable entry systems enable the user to enter, seal and provide strain relief for pre-terminated and standard cables. The new split metric cable glands KVT-ER enables a quick and easy assembly which is great for retrofitting and maintenance.

Cables, pipes and conduits with various diameters can be routed due to a large variety of split grommets. When assembled correctly, the split grommets are held tightly within the frame. Correctly sizing the grommet to the cable diameter ensures a high degree of protection (up to IP66 / IP68 / UL type 4X) and provides strain relief.

Advantages & benefits

- Certified ratings up to IP66 / IP68 / UL type 4X
- Warranty of pre-terminated cables remains
- Quick and easy assembly
- Retrofits, repairs and maintenance can be done quickly
- High cable density
- Wide variety of frames
- Suitable for industrial standard
- Strain relief according to EN 62444
- Vibration resistant



Split grommets



Cable entry plates for cables without connectors



KEL-DPZ 16

up to
IP68
certified



Also available with threaded bushings.



Conical shape on back provides additional sealing and strain relief



KEL-DPZ, round

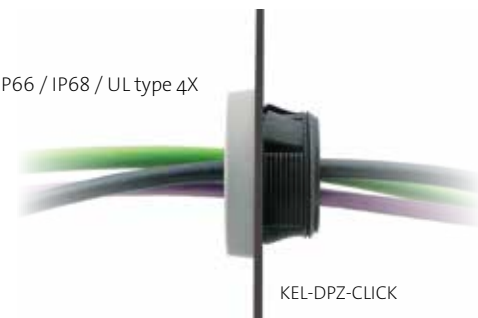
icotek offers a wide range of products that offer many advantages as an alternative to the classic cable glands for the routing of non-assembled cables.

Despite the compact and flat design the innovative icotek systems enable professional cable entry with high density (up to IP66 / IP68 / UL type 4X).

The high packing density is particularly suitable for applications in which many cables have to be routed with limited space.

Advantages & benefits

- Space saving shape
- Double sealing certified protection class up to IP66 / IP68 / UL type 4X
- Rugged design
- High strain relief
- High cable density
- Wide variety of frames
- Assembly within seconds
- Suitable for industrial standard cut-outs
- Hygienic design – flat and smooth surface
- Halogen free, silicone free



KEL-DPZ-CLICK



Modular adapter system IMAS-CONNECT™

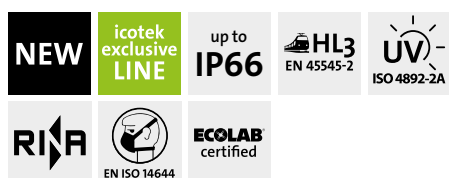
The IMAS-CONNECT™ adapter system from icotek is a modular grommet and adapter system mounting metric connectors, Keystone couplers, hose fittings, pressure compensation elements and many other connector types.

Using the adapter grommets the cable entry becomes a hybrid system. Assembled and non-assembled cables and hoses can be routed and at the same time the system serves as an interface for connectors.



Advantages & benefits

- By utilising the IMAS grommet, connectors can be integrated directly into the cable entry frame
- Separate cut-outs for connectors are no longer necessary
- Space-saving solution
- Thread sizes M12 to M25 available (AT-M resp. AT-K-M)
- Snap-in assembly Keystone-couplers (AT-KS)
- Integration of push-pull connectors



AT-PP



AT-KS



AT-K-M



AT-M



AT-FL

EMC Shield clamps & earthing components

The SKL shield clamps offer an excellent option for EMC shielding due to various mounting variants, high flexibility in the cable diameter and extensive contacting of the cable shield.

The split cable gland EMC-KEL-DS and the split cable gland EMC-KVT-DS, has been metallised (galvanize coated) and the cable grommet type are made of a very conductive elastomer. This ensures full-area protection against fieldbound interference!

The EMC-DS systems have dual compartments. The front grommet serves as strain relief and sealing via the cable sheath while the back grommet contacts the cable shield over 360°.

Advantages & benefits: SKL

- Large contact area
- The spring design requires no adjustments and will permanently maintain contact to the cable shield
- Large variety of assembly methods
- Many types with integrated strain relief
- Shock and vibration resistant, maintenance free
- Simple and mostly tool-free assembly
- Designed for high density applications

Advantages & benefits: EMC-KEL/EMC-KVT

- Split-table cable entry system for cables with connectors
- Very attractive and scratch-resistant surface
- Contacting the cable shield over 360°
- Grommets made entirely from conductive elastomer
- High cable density
- Very good dissipation values
- Very good shielding effect with regard to EMC tightness



EMC-KVT-DS



DIN-rail shape H



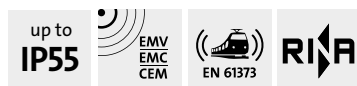
Cross section of the EMC-KEL-DS



EMC-KEL-DS



PFSZ-SKL



Strain relief & cable management



With the icotek strain relief systems, cables can be routed quickly, safely and cleanly and strain relieved according to DIN EN 62444. The cables are installed using standard cable ties. Through various mounting options, e.g. for 35 mm DIN rail, C-rail or for screw assembly, there are many cases of application. These range from routing cables on machines, switch cabinets and housings to dynamic drag chains.



CONFIX Cable conduit system



The 90° angled conduit fitting CONFIX FWS is perfect for the installation of parallel corrugated cable protection conduits, e.g. in machines, control panels or control cabinets. The hinged cover is tightly fixed to the mounting box. Therefore, the system is very easy to handle.

Corrugated conduits CONFIX WS for cable routing are used where cables have to be protected from mechanical damage or certain weather conditions.

In addition, icotek offers split corrugated conduits CONFIX WST for routing pre-terminated cables and corresponding conduit clips CONFIX SH.

IP54

Electrical enclosure accessories



For the assembly of cable entry systems and EMC products, icotek offers many useful accessories as well as helpful cable management components.

Flanged plates with cut-outs e.g. for Rittal AE enclosures or KL terminal boxes as well as base plates for switch cabinets make work much easier.

10 x 3 mm bus bars and many more clever solutions like cable ties with hook-and-loop fastener that can be opened and closed numerous times as well as suitable holders and more round up our portfolio.



icotek TOOLS - Punch driver & knockout punches



icotek offers hand hydraulic punch drivers for cut-outs in V2A stainless steel, steel, aluminum and plastic.

The cylinder of the punch driver rotates 360° on 3 axles, so maximum flexibility even in hard-to-reach places is provided.

Metric round (M16 - M85) and square sheet metal punches for standard cut-outs of heavy industrial connectors complete the product range.

Cable entry systems with IFPS fire penetration



Based on the standards EN 45545-3 and EN 1363-1 icotek cable entry systems have been tested on „E“ and „EI“ in vertical alignment using mounted IFPS fire penetration seals.

icotek cable entry systems meet the classifications E45 and EI30!



Cable entry plates for the food industry



The new cable entry plates KEL-DPZ-HD from icotek are most suitable for the direct food sector. The food industry sets very strict requirements for all components that can be installed in this sector. This also includes the cable entry into the control cabinets.

IP68

FDA

Cable entry systems for the use in cleanrooms



All icotek cable entry systems for the cleanroom tested and certified by the Fraunhofer IPA are suitable and certified for class 1 in accordance with ISO 14644-1!

