



Cable entry and cable holding systems

Solutions for cable applications



Overview

For years, Murrplastik Systemtechnik GmbH has offered cable entry systems, cable entry panel systems, strain relief plates and cable holding systems. Right from the beginning priority was given to a systematic approach. Today, the aim is still to design products which offer definite application advantages to the customer. The KDL cable entry system has been developed to make it much easier for end customers to route pre-assembled cables e.g. measurement, servo cables, computer cables and bus systems. An additional advantage is that the design also offers strain relief to the cables. During the design process, considerable emphasis was given to the need for a simple and trouble free application

KDL – Cable entry system for plugs

The cable entry system is designed for inserting pre-assembled cables and electrical conduits in divider walls, junction boxes, control cabinets...

Application:

throughout the interior, in drivers' cabs, in control cabinets, plant or machine construction. In all places where pre-assembled conduits must be routed.



KDP – Cable insertion panel for cables

The cable insertion panel is a routing and fastening system for cables without plugs and pneumatic hoses.

Application:

throughout the interior, in drivers' cabs, in control cabinets, plant or machine construction. Cable entry systems are the ideal option any time quick, easy and cable-protecting.







The KDL product range thereby serves the need for a simple and trouble free application. The potential for strain relief and discharge of sheath currents has also been integrated into the cable fixing plate. A further innovation is the KDP cable entry range, which offers a real alternative to cable fittings. The KDP boasts enormous savings potential through rapid installation. A lower footprint and user-friendly assembly are two of the major advantages that this product offers. However, these are just some of the outstanding innovations from Murrplastik Systemtechnik GmbH.



ZL strain relief

The strain relief plate is used wherever cables, single wires or hoses must be securely and easily relieved.

- Wide variety of types
- Easy assembly
- In plastic or metal
- Stacking



Useful tools - for all cable tasks

An extensive programme of accessories (lock nuts, reducing bushes, various fasteners, cable ties...) allow broad implementation options for various applications.



KDL Cable entry systems for cables with plugs

Cable entry system

Cable entry system for insertion and/or feedthrough of pre-fabricated conduits. Cables with plugs can easily be inserted into casing. Various systems are available for selection.

Assembly









- - Connect the KDL/E to the click-system. Alternatively, affix with 4 screws.

Advantages

- Cable infeed without interruption
- Easy assembly
- Strain relief •
- **EMC** solutions •
- High protection class IP 54 •
- High packing density •
- Manufacturer's cable and plug system • guarantee remains valid
- Standard cut-out dimensions (Plug connectors from Harting, Wieland...)
- **Optional labelling**
- UR
- **CSA**



EMA

2. Then strain-relieve with a cable tie. Usable for cables from 3 to 32 mm.

1. Close the split grommet around the cable.

- 3. Insert the grommet with the
 - pre-assembled cable into the KDL/E. Up to 10 cables can be inserted. Up to 20 cables can be inserted with twin grommets.
 - the standard connector cutout (e.g. Harting, Wieland...).
- 4. Insert the assembly hooks into







The KDL/E reflects continuing development of the KDL in its 3rd generation. Pre-fabricated conduits can be inserted even more simply and quickly, e.g. into enclosures. Quicker assembly with increased capacity.



The KDL is a two-part plate that serves to insert pre-fabricated conduits. Cables and plugs can be simply inserted into enclosures.



The KDL/S is a custom cable entry system. It is manufactured to meet the customer's specifications. Various conduit shapes can be inserted using this plate.

KDL/EMV

The KDL/EMV is a metallised cable entry system. Pre-fabricated conduits can be inserted simply into enclosures. At the same time, sheath currents can also be discharged using this plate.

KDL/Accessories

Blanking plates, adapter plates and discharge plates round out the delivery programme.

KDP cable insertions for cables without plugs

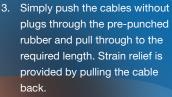
The cable entry plate is an entry and fastening system for cables without plugs and pneumatic conduits such as those used in control cabinet, plant or machine construction. Wherever quick assembly, cable-protecting and high packing density are required, the cable insertion system is used. A real alternative to cable fittings. Various systems are available for selection.

Assembly



1. Snap the KDP into a standard cut-out.

2. As needed it is also possible to bolt the KDP - series in place.



KDP/H conduit connection

Conduit connection in plastic for connecting cable protection conduits to rectangular cable entry plates KDP/N.





Advantages

- Enormous time savings in assembly •
- Extremely low space requirement •
- High packing density
- Assembly without tools •
- High protection class IP 65 0
- No kinks in cables and tubes
- Standard cut-out dimensions
- **Optional labelling** ō
- UR
- CSA ō



KDP bus enclosure

transparent top. Integrated cable entry panel and mounting rail.





📕 KDP/N Plastic, rectangular

Rectangular plastic cable panels for screwing in or snapping in, using integrated catch hooks. With pre-punched and resealable holes. A real alternative to cable fittings.

KDP Plastic, round

NAGEMIE

Round plastic cable panels with metric threads for screwing in or snapping in using integrated catch hooks. With pre-punched and resealable holes. A real alternative to cable fittings.

KDP Multi

Rectangular plastic cable entry plates for screwing in or snapping in by using the enclosed catch hooks. Additional slot for up to 4 pre-assembled cables.

📕 KDP Metal

Rectangular cable entry system made of aluminium and stainless steel for screwing in. With pre-punched and resealable holes. A real alternative to cable fittings.

ZL Cable strain relief

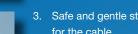
Strain relief and organisation of conduits - quickly, simply, safely. A large selection of strain relief plates covers a variety of potential uses. Various types are available for screw on, snapping in or sliding in. Whether in plastic or metal versions, or as EMC solutions. Anything is possible. The conduits are simply affixed to the strain relief using standard cable ties.

ZL-Fix

Assembly



- 1. Position cable on the plate.
- 2. Fix the cable to the plate by using a cable tie.



3. Safe and gentle strain relief for the cable.

Advantages

- Simple •
- **Cost-effective** •
- Wide variety of types •
- Quick assembly •
- High tensile forces •
- **EMC** variants
- Stacking •





Velcro system for installation of cables and conduits. A flat head screw offers assembling the holder to a profile rail.







ZL-Click

Strain relief plates with different snap-on mechanisms. Can be stuck onto various C-rails and top hat profile rails.



Plastic or metal strain relief plates to screw on.



EMC solutions made easy. Different options for the discharge of sheath currents.





Accessories round out the strain relief programme.

Accessories

Useful tools

A large assortment of accessories rounds out the delivery programme. From tools to punching tools and cable fittings on to small parts, we can deliver anything.

Punching tools

Punching tool for punching of metals, e.g. control cabinets. The most varied of cut-outs in differing sizes can be produced simply, quickly and precisely with our punching tools.

🖊 Tools

Tools that you need for your workshop and production halls. To make work easier and increase productivity and quality.

Various accessories

A comprehensive range of accessories is available, including lock nuts, reducing bushes, various fasteners, cable ties, etc. Different materials, thread types and thread sizes ensure a wide range of uses for many applications.

Cable fittings

Traditional cable fittings are required in all installations. Known for excellent strain relief even while providing higher protection class. They are available in a wide variety of models, such as plastic or metal. Other types are available for EMC applications or in areas at risk of explosion. Multi-inserts add more capacity.



Additional solutions for cable systems

The demands on our products are increasing in complexity and sophistication. The demand for flexibility, economy and knowledgeable consulting are greater than ever. Murrplastik makes plastic into technology, manufacturing products covering all the aspects of cabling required in mechanical and plant engineering.



Cable drag chain systems

Murrplastik's glass-fibre reinforced plastic cable drag chains are used wherever cables and conduits of different sizes and types need to be guided flexibly and linearly. That includes applications like robots, cranes, conveyor and facility systems, vehicle engineering, etc.

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Labelling systems

Murrplastik is the world's leading manufacturer of manual and computer-controlled labelling. You can use plotters, engraving machines, printers and lasers in combination with our labelling software to create individualised labels. All labelling system stand out for their high quality, durability and versatility: allowing you to produce labels at any time afterwards as well. We offer labelling as a special service.

Conduit and screw fitting systems

Health and safety are the number one priority when it comes to cable drag chains. Cable protection conduits and fittings keep external influences such as oil, dirt, water and chips safely away from cables. We always focus on the benefits for the user and the systematic approach. Our product range offers an absolutely compatible selection of various screwed fittings, distributors and holders for every conduit size. All SUV systems can be assembled immediately without any additional parts, which shows just how easy convenient they are to use.

Murrplastik is a one-stop-shop for all your requirements, saving you time and money by supplying perfectly compatible products. We supply our customers all over the world, taking pleasure in being innovative, supplying high product quality, delivering great benefits for the user and intelligent system solutions.



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