



Cable entry and cable retaining systems

Product Overview

Overview

Murrplastik Systemtechnik GmbH has offered cable entry systems, cable entry plates, strain relief systems, cable retaining systems and EMC solutions for many years now. Right from the start, the system concept was the first priority. The priority has always been to design „products which provide definite application benefits to the customer“.

The KDL cable entry system makes it much easier for the end customer to insert pre-assembled cables such as measuring, servo, computer or bus systems. During the design process, considerable emphasis was given to the need for a simple and trouble free application.

Entry system for cables with plugs

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

Applications:

interior use, driver's cabs, in the control cabinet, in plant or machine construction. Wherever pre-assembled cables have to be routed.



Entry system for cables without plugs

The cable entry plate is a routing and retaining system for cables without plugs or for pneumatic hoses.

Applications:

interior use, driver's cabs, in the control cabinet, in plant or machine construction. Wherever quick, easy and cable protecting assembly with high packing density are in demand.



Murrplastik offers a very extensive and absolutely assembly-friendly product range in the field of EMC-compatible fastening systems.

A further innovation is the KDP/Z cable entry plate, offered as a low-cost alternative to the KDP/N variants established in the market. Featuring rapid installation, the KDP models offer tremendous potential savings.

A lower footprint and user-friendly assembly are two of the key advantages offered by these products.

However, these are just some of the outstanding innovations from Murrplastik Systemtechnik GmbH.

Strain relief

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

- Wide variety of types
- easy assembly
- plastic or metal
- stackable



EMC solutions



The EMC systems are used to dissipate electromagnetic interference and conducted fault currents.

- high attenuation performance
- easy assembly
- cable-friendly contact system
- very high packing density
- visible contact



Cable entry systems for cables with plugs

Cable entry system for insertion and/or feed-through of pre-fabricated conduits.

Cables with plugs can easily be inserted into housings. Various systems are available for selection.

1 KDL/C

KDL/C combines high packing density and simple, completely subsequent assembly. For more demanding environments, this model can be upgraded using KDL/D at any time.

2 KDL/D (IP 65)

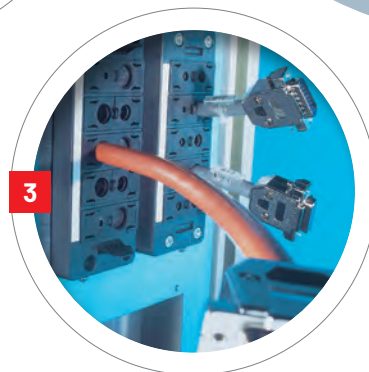
The KDL/D like the KDL/C offers a high packing density with fully-upgradeable installation. The frame is even more robust due to an additional middle piece.

3 KDL/E

With the KDL/E, pre-assembled cables can be inserted even more easily and quickly, e.g. in housings. Quicker assembly with increased capacity.

4 KDL/H

The frame of the KDL/H is made of stainless steel, zinc or aluminium. This allows a tightness of up to IP 69K to be achieved with a splittable cable entry.



CABLE MANAGEMENT



4 up to IP 69K



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5 KDL/S

The KDL/S is a special cable entry system. It is manufactured individually as requested by the customer. A variety of cable types, such as flat ribbon cables, can be inserted through this panel.

6 KDL-Jumbo

KDL-Jumbo is a cable entry system for subsequent assembly of cables between 30 and 65 mm diameter.

7 KDL accessories

Blanking plates, adapter plates, discharge plates complete the delivery programme.

- ✓ Cable entry without interruption
- ✓ Easy assembly
- ✓ Strain relief
- ✓ EMC solutions
- ✓ High protection class up to IP 69 K
- ✓ High packing density
- ✓ Standard cut-out dimensions (Harting, Wieland plug connectors)
- ✓ Approvals

Cable entry systems for cables without plugs

The cable entry plate is an entry and fastening system for cables without plugs and for 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 entry system is used. An alternative to cable fittings. Various systems are available for selection.

1 KDP/F

Cable entry plate with moulded-on membrane for punching through. Available in a very flexible model as well as with different grades of hole reinforcements.

2 cablequick® KDP Metall

Screw-on cable entry plates made of aluminium and stainless steel. With pre-punched and resealable openings. A real alternative to cable fittings.

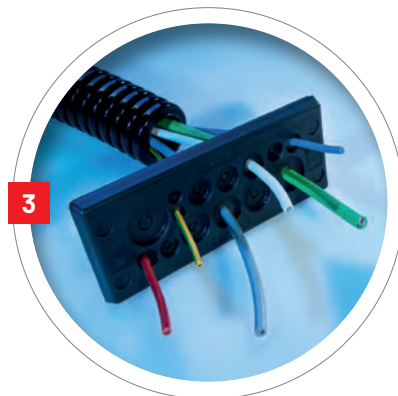
3 KDP/Z

Cable entry plates manufactured in a two-component injection moulding process. Suitable for a quick and cable-friendly assembly.

4 KDP On Demand

With the "Cable entry system On Demand" offers Murrplastik the first cable entry system that can be completely customised in size, shape and equipment.

- ✓ Time saving during assembly (tool-free)
- ✓ Extremely low space requirement
- ✓ High protection class up to IP 66/67
- ✓ No kinks in cables and conduits

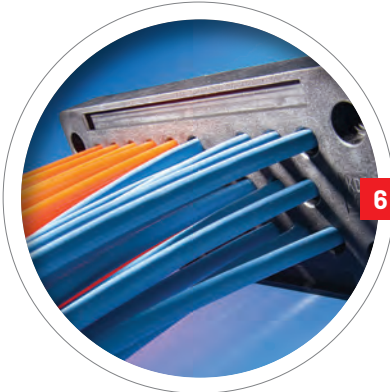




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5 KDP/R

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



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6 KDP/N

Rectangular plastic cable entry plates for screwing in or snapping in using integrated catch hooks. With pre-punched and resealable openings.



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7 KDM

Cable entry membrane for inserting e.g. cables without plugs and pneumatic hoses. Rounded design, M16-M50.



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8 KDP/H

Plastic conduit connection for direct connection to Murr-flex cable protection conduits on rectangular KDP cable entry plates as well as on KDL/C and KDL/D cable entry systems.

- ✓ Standard cut-out dimensions
- ✓ High density
- ✓ Approvals

Strain relief for cables

Strain relief and arrangement of cables safe, quick and easy. A large selection of strain relief plates offers a wide range of applications. Various types are available for screwing on, snapping in or sliding on. Available in plastic or metal, or

as an EMC solution. Anything is possible. The cables are simply attached to the strain relief using standard cable ties.

1 ZL-Fix

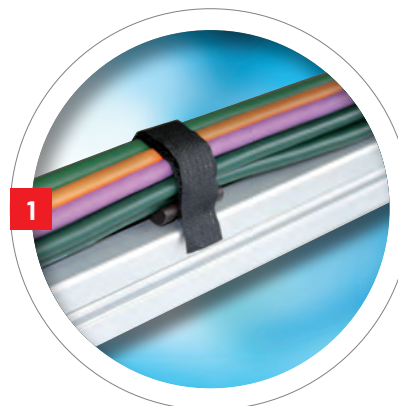
The ZL-Fix Velcro holders can be bolted on directly or mounted on a rail groove. They are ideal for bundling or providing strain relief for cables and conduits.

2 ZL T-slot nuts

The ZL versions with pre-assembled slot nuts are mounted on C-rails with a range of profile section widths.

3 KB-fix

With the KB fix type Velcro base, different lengths of Velcro can be used to bundle cables.



✓ Quick assembly, stackable

✓ Easy and cost-effective

✓ High tensile forces

✓ EMC variants



4 ZL screws

ZL strain relief systems are bolted-on directly and are ideal for routing or providing strain relief for cables and conduits.



5 KAF

The cable fixing plates are simply slotted onto a 35 mm top-hat rail or C-rail (Niedax 2970; 2971); no tools are required.



6 ZL accessories

Some examples of accessories include brass spacer sleeves and insert bushings, which then enable the strain relief systems to be stacked.

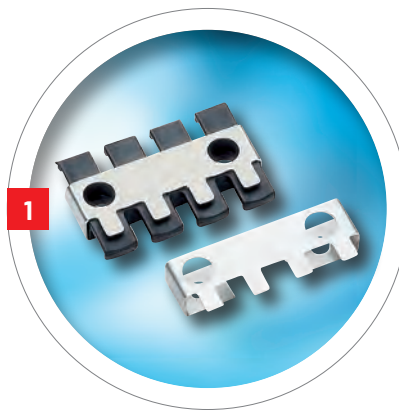
EMV solutions

The constantly increasing quantity of electronic components means that electromagnetic emissions are also increasing. Integrating a good shielding concept is becoming

increasingly important. Murrplastik offers an extensive range of EMC products.

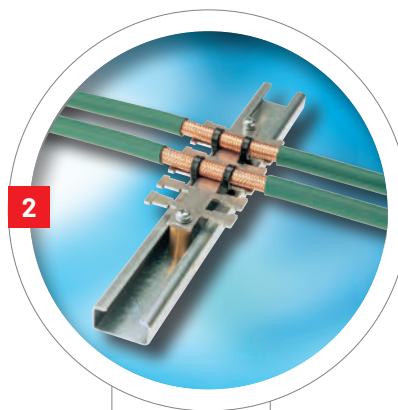
1 EMV-ZL

ZL-AB discharge plates are subsequently inserted onto our strain relief plates type ZL. Cables are secured using cable ties.



2 EMV-KAF

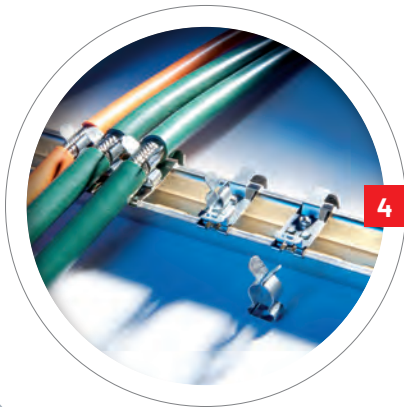
The metal KAF/xx-EMV cable fixing plates are either bolted-on directly or snapped onto the 35 mm top hat rail. Cables are fixed in place using cable ties.



3 EMC discharge plate

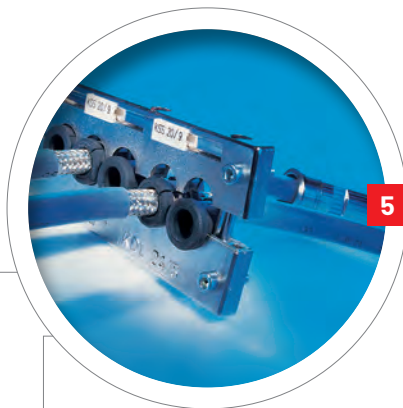
The KDL-AB and KDL/N-AB discharge plates are an excellent choice for fault current dissipation in combination with our cable entry system.





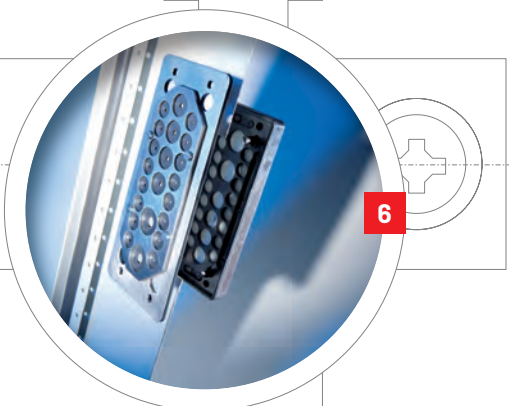
4 EMV-Clip (up to 55 dB)

The EMC shield clips are an excellent solution for dissipating conducted fault currents. The system is characterised by its simple, flexible handling, a large-area contact system that is cable-friendly and for its highly compact form.



5 EMV-KDL

The cable entry system type KDL-EMV are a splittable system for retrofitting. The system is based on our plastic KDL model and is metallised on the surface.



6 EMV-KDP

The EMC modules are used in conjunction with the KDP/N cable entry plates. They are simply bolted onto the interior surface of the cabinet.

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