

Ready to go.

Secure. Guide. Protect.

The catalogue programme with protection and fastening systems for electronic connectors, corrugated tubes, cables and cable assemblies.



Hello,

in both the industrial and the automotive sector, the quantity of electronic components and connection systems are increasing enormously. As a result, requirements in this environment are constantly becoming more stringent. What's more, the time available for development and innovation is getting shorter and shorter. As an expert in plastic solutions with over 40 years of experience, we have specifically adapted to these requirements and, thanks to **Protectors4Connectors**, we have built up a catalogue programme that is dynamically growing to accommodate these new framework conditions. Our goal is to get your project even faster on the road. This not only saves you time, but also patience.

Discover how we secure, guide and protect your components with Protectors4Connectors.

protectors4connectors.com



Dirk Stubbe,
Business Manager for Protectors4Connectors



PÖPPELMANN

K-TECH®

Overview

Protectors4Connectors

The universal catalogue programme.	4 – 7
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Pöppelmann K-TECH®

Individual plastic solutions for the automotive and industrial sectors. 32 – 33

Pöppelmann KAPSTO®

Plastic protection solutions for all applications. 34 – 35

PÖPPELMANN blue®

It goes without saying that we embrace responsibility. 36 – 37

We are there for you

Our aim: completely satisfied customers – worldwide. 38 – 39

PROTECTORS4CONNECTORS

Dynamic. Flexible. Directly available.

The transport of people and goods is steadily rising. Therefore, we asked ourselves how can we quickly provide our customers with the right components and also meet new and more stringent requirements. The result: We think more digital. In parallel, flexibility and a willingness to embrace change allow us to react faster to the constantly growing requirements of our customers. The added value: New ideas and innovations flow directly into product design.

 **PROTECTORS
4CONNECTORS**

Ready to go.



Your free sample box.

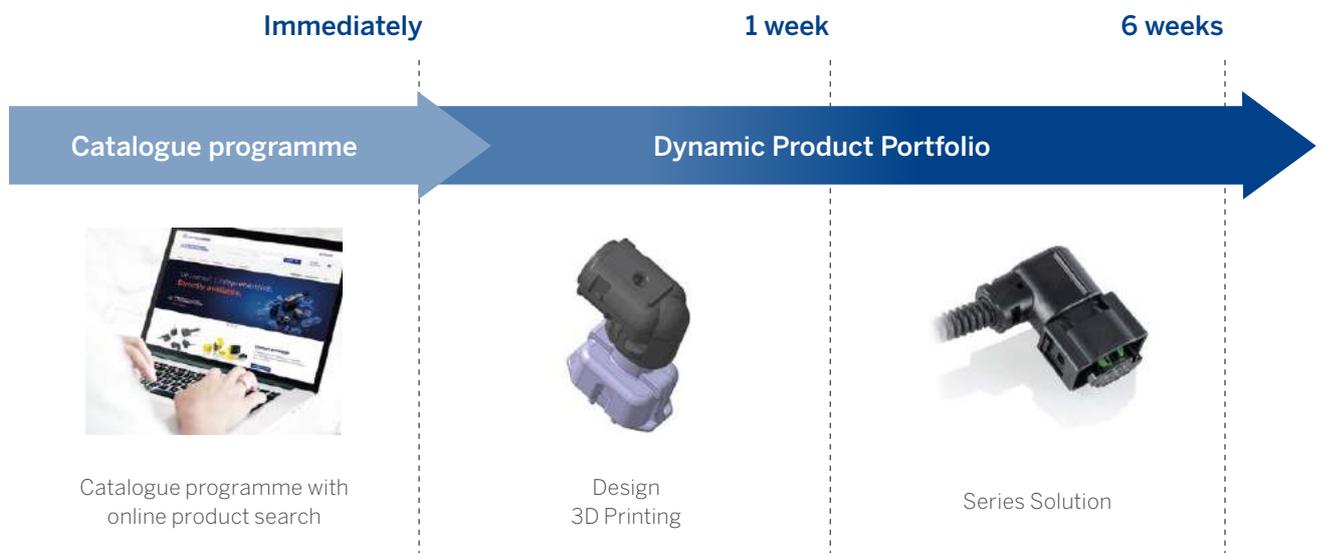
Request your sample box to test the products and select through the various options – of course without any obligation and free of charge:

protectors4connectors.com

Ready to go.



Time as a success factor: To satisfy an increasing demand for speed and availability in the market as an international supplier, we can already offer solutions for over **1,200** applications in our catalogue programme. The best part is: The number is growing on a daily basis.



One standard – many advantages.

- ⊕ **A dynamically growing catalogue programme:** The product range of protection and fastening systems for electronic connectors, corrugated tubes, cables and cable assemblies.
- ⊕ **A solution for many applications:** Connector design standards often allow us to commonize our products to fit several different applications.
- ⊕ **Items for tight installation spaces:** Protectors4Connectors offers a variety of low profile caps for vehicle applications with tight installation spaces.
- ⊕ **Shopping in our online store at any time and in any location:** Precise search functions enable you to find suitable articles quickly. You benefit from flexible quantity selection, secure payment methods and fast delivery.
- ⊕ **Expert advice:** We have plastic experts on hand to offer advice and provide solutions by phone or directly on site.

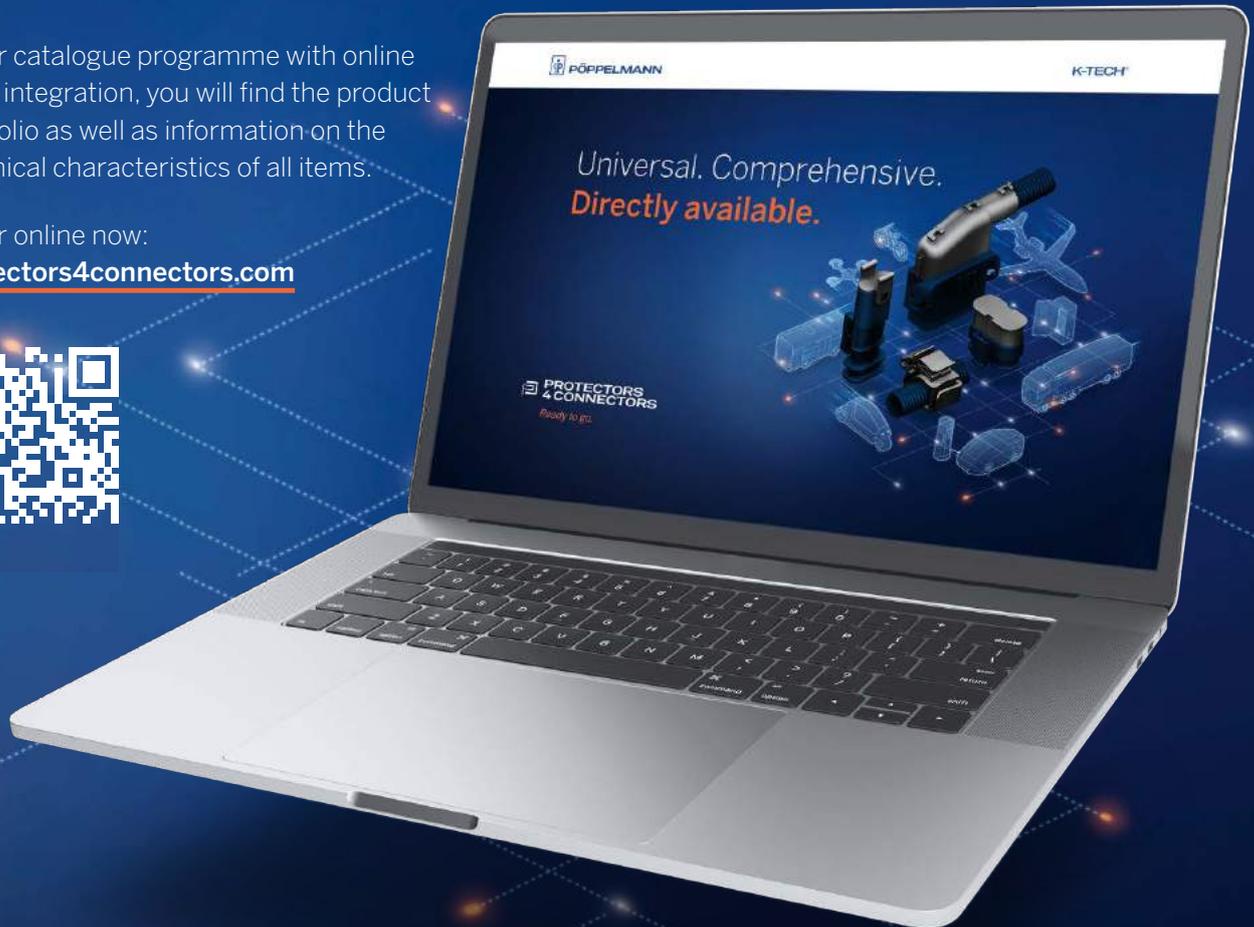
PROTECTORS4CONNECTORS

Fast. Easy. Online.

In our catalogue programme with online shop integration, you will find the product portfolio as well as information on the technical characteristics of all items.

Order online now:

protectors4connectors.com



One online product search – many advantages.

- ⊕ Filter feature for quick and accurate results.
- ⊕ Free text search, e.g. by connector part number.
- ⊕ Product pictures and detailed product information.
- ⊕ Direct ordering through the online shop.
- ⊕ Check the order status.
- ⊕ Safe and flexible payment options.
- ⊕ User account for faster ordering.

Order the solutions you need at any time and from anywhere.

Through the flexible online product search features at protectors4connectors.com, you can quickly narrow your search and easily find your desired item and order it from our online shop at any time and from anywhere. Detailed item descriptions make it easier for new customers to find the right item. A further advantage is the flexible quantity selection: Here, different quantity scales provide delivery quantities as needed. You can always rely on secure payment methods and reliable, fast delivery.

The screenshot displays the website's search interface. At the top, a search bar contains the placeholder text "Search entire store here for connector number etc." and a "SEARCH" button. Below this, the website header includes the "PROTECTORS 4 CONNECTORS" logo, a navigation menu with categories like "Connector Caps", "Delete Caps", "Shipping Caps", "Sealing Plugs", "Cable Holders", and "Customised Solution", and a phone number "+49 4442 982-6010".

The main content area shows the current selection: "Your current selection: Connector Caps". A banner image features the text "Space-saving. Quick to assemble. Directly available." and an image of a connector cap. Below the banner, a "FILTER RESULTS" sidebar on the left lists various filter options: Connector manufacturer, Connector type, Number of ways, Shape, Designed for nominal width, and Fits. The main product grid shows "Items 1-8 of 52" and displays four connector cap products with their respective prices:

Product Name	Price
Connector cap Bosch 2-way shape B	0.19 €*
Connector cap Bosch 2-way shape C	0.19 €*
Connector cap Bosch 3-way shape B	0.19 €*
Connector cap Bosch 4-way shape A	0.20 €*

Can't find the right product? On request, we can also develop and produce individual custom-made products for you. It costs less than you think. Simply give us a call on [+49 4442 982 6011](tel:+4944429826011).

Dress Covers

Every centimeter of installation space plays an important role in vehicle construction. For this reason, Pöppelmann K-TECH®, under the name **Protectors4Connectors**, offers dress covers in a variety of outlet directions. We have dress covers designed and available for a large range of connectors and pin housings, e.g. B. from Bosch, TE, Hirschmann, Molex and Kostal. Five different shapes help to enable target-oriented alignment of the cable assembly. For applications with confined vehicle package space, we created low profile caps that allows for a more compact design:



Shape A for straight cable outlet



Shape B for right or left cable exit



Shape C for a longitudinal cable outlet



Shape D for tight installation space with a cable outlet at the long side (low profile cap)



Shape E for tight installation space with a cable outlet at the right or left (low profile cap)



In addition to **dust** and **debris**, the P4C dress covers also protect against **water intrusion**.



Due to the wide variety of outlet directions and ability to maximize space with low profile solutions, our dress covers allow cables to easily route in their defined direction. For optimal use of the **installation space**.



Quick and easy assembly due to the one-piece design.



Permanent wiring protection.



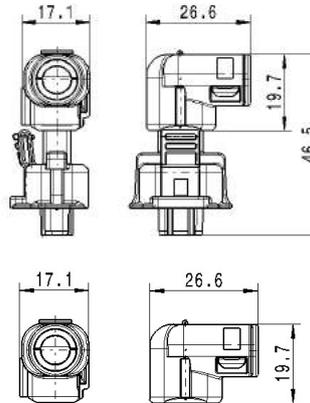
Vibration reduction due to cable tie integration.



Usage in extremely confined spaces (shapes D and E).

DRESS COVERS

Bosch Compact Connector



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- + Test pin clearance available
- + Easy Installation
- + High load capacity due to secure clipping of the adapter halves
- + Items included in Bosch accessory list for compact and plug connection no. 1 928 A00 257



Further versions online:

protectors4connectors.com/dress-covers.html

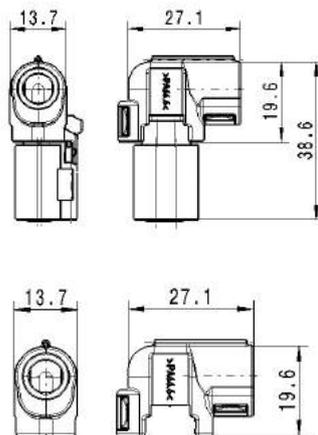
Suitable for:

Bosch Compact Connector

- Kompakt 1
- Kompakt 1.1
- Kompakt 1.1a
- Kompakt 1.1m
- Kompakt 2
- Kompakt 3

DRESS COVERS

MLK/MCON 1.2



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- + One-piece cap with film hinge
- + Easy installation
- + High load capacity due to secure clipping of the adapter halves



Further versions online:

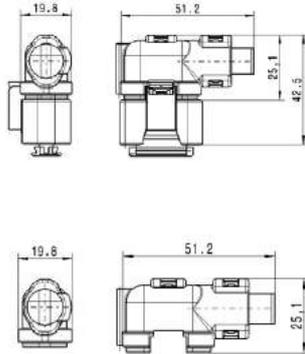
protectors4connectors.com/dress-covers.html

Suitable for:

- Hirschmann SealStar
- TE MCON
- Kostal MLK 1.2
- FEP QKK/MCON/MLK 1.2
- Molex MXP120

DRESS COVERS

MLK/MCON 1.2 2-row



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:

Fuels, mineral oils,
greases/oils, solvents

- + One-piece cap with film hinge
- + Easy installation
- + High load capacity due to secure clipping of the adapter halves
- + Integrated cable tie holder



Further versions online:

protectors4connectors.com/dress-covers.html

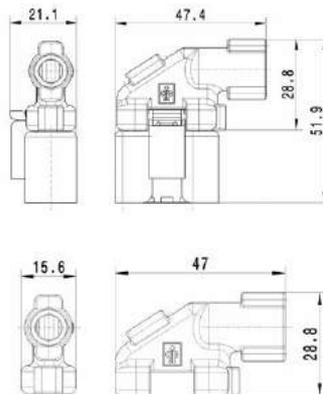
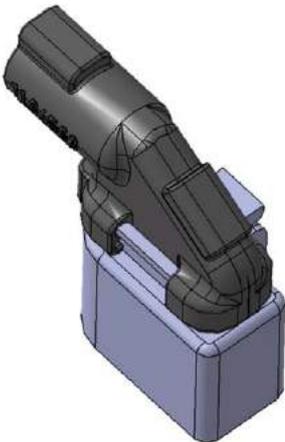
Suitable for:

Hirschmann
SealStar

TE
MCON

DRESS COVERS

SLK 2.8



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:

Fuels, mineral oils,
greases/oils, solvents

- + One-piece cap with film hinge
- + Easy installation
- + High load capacity due to secure clipping of the adapter halves



Further versions online:

protectors4connectors.com/dress-covers.html

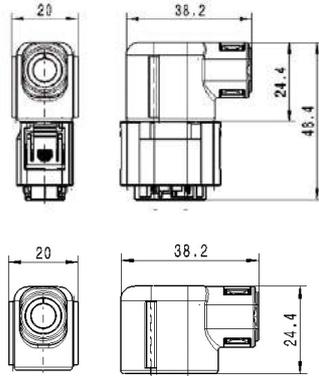
Suitable for:

Hirschmann
SealStar

Kostal
SLK 2.8

DRESS COVERS

TE MQS



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

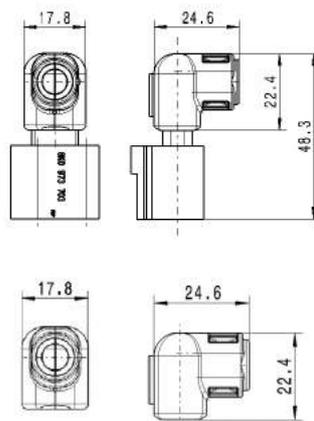


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

FEP 1.5



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

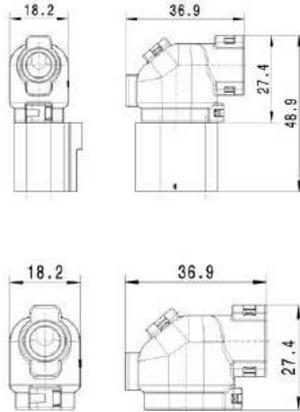


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

FEP 1.5 2-row



Technical features

Colour:

Black

Material:

PA 6.6/6

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

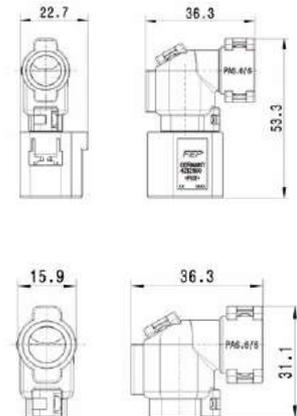
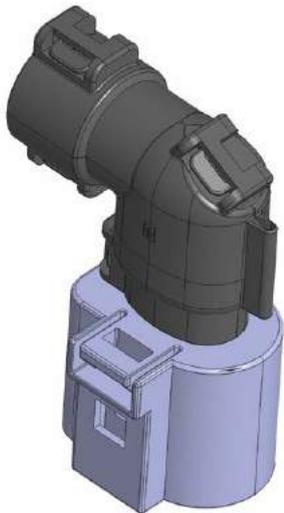


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

FEP 2.8



Technical features

Colour:

Black

Material:

PA 6.6/6

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

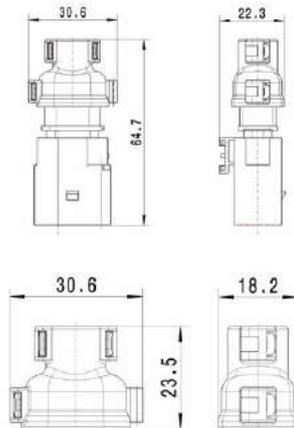


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

FEP 2.8 2-row



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

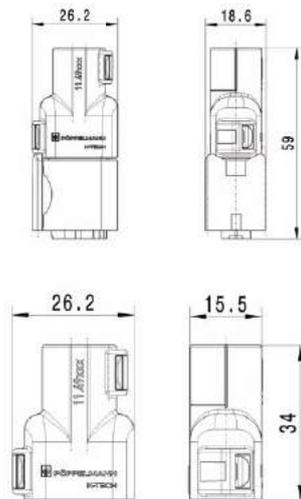


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

TE HDSCS



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

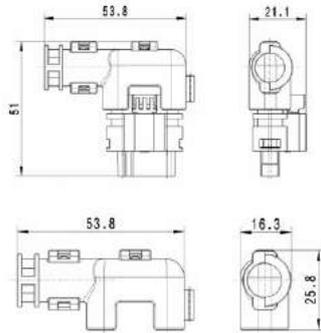


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

HMK 1.2



Technical features

Colour:

Black

Material:

PA 6.6/6

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves
- ⊕ Integrated cable tie holder



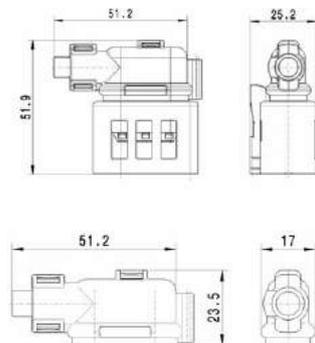
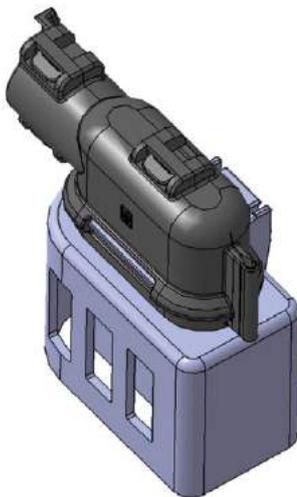
Further versions online:

protectors4connectors.com/dress-covers.html
Suitable for:

- ✓ Hirschmann
SealStar

DRESS COVERS

Kostal SLK 5.8



Technical features

Colour:

Black

Material:

PA 6.6/6

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves
- ⊕ Integrated cable tie holder

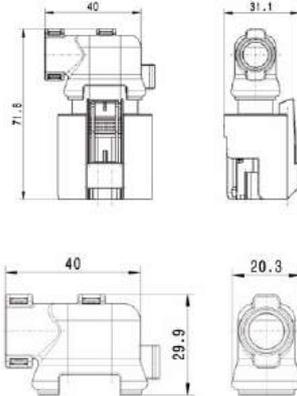
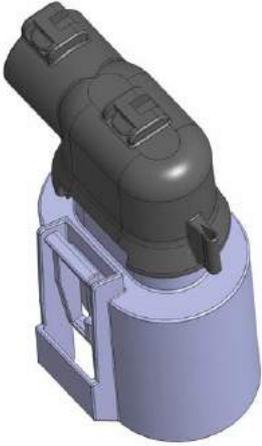


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

Kostal LSK 8



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves

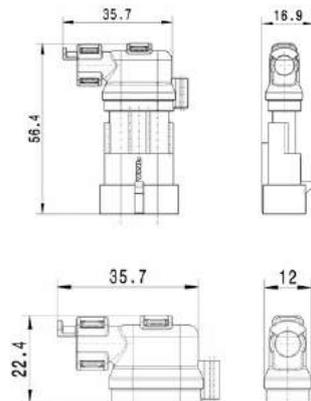


Further versions online:

protectors4connectors.com/dress-covers.html

DRESS COVERS

AMP Superseal 1.5



Technical features

Colour:
Black

Material:
PA 6.6/6

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

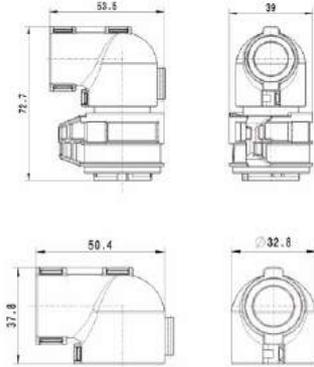
- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves
- ⊕ Integrated cable tie holder



Further versions online:

protectors4connectors.com/dress-covers.html

Kostal LSK 1.5



Technical features

Colour:

Black

Material:

PA 6.6/6

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

- ⊕ One-piece cap with film hinge
- ⊕ Easy installation
- ⊕ High load capacity due to secure clipping of the adapter halves



Further versions online:

protectors4connectors.com/dress-covers.html

PROTECTORS4CONNECTORS

Delete Caps

Protectors4Connectors offers delete caps as an efficient and above all cost-effective solution when it comes to sealing a connector interface (female) in the vehicle safely and durably. All delete caps are waterproof according to IP69K and can be easily assembled by hand. The lateral latching ribs ensure a reliable and durable fit in the socket housing. Due to industry design standards, our caps can fit across several connector variants manufactured by different suppliers. In addition, delete caps are ideal for use in production-related cleaning processes.



Our delete caps are **all-rounders**. They fit a variety of connectors and they have multi-functional uses.



**Waterproof pursuant to IP69K
Environmentally Sealed.**



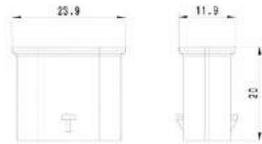
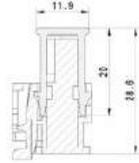
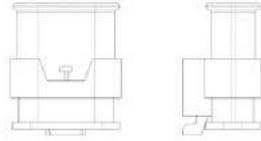
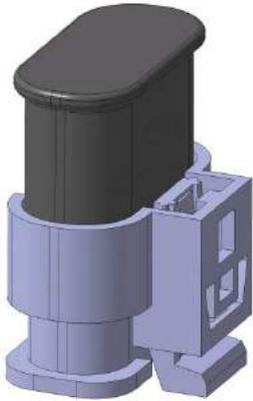
Intuitive assembly.



**Reliable and permanent fit
thanks to lateral snap-in noses.**

DELETE CAPS

MLK/MCON 1.2



Suitable for:

✓ Hirschmann
SealStar

✓ TE
MCON

✓ Kostal
MLK 1.2

Technical features

Colour:
Black

Material:
PBT GF 20

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Water resistance: PG 23
Water tightness according to
AK Test guideline for
automotive connectors

- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts



Further versions online:

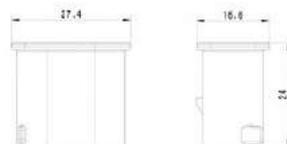
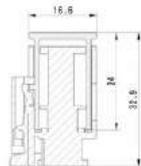
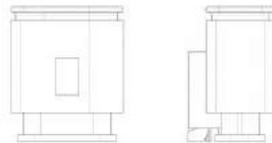
protectors4connectors.com/delete-caps.html

✓ FEP
QKK/MCON/
MLK 1.2

✓ Molex
MXP120

DELETE CAPS

SLK 2.8



Suitable for:

✓ Hirschmann
SealStar

✓ Kostal
SLK 2.8

Technical features

Colour:
Black

Material:
PBT GF 20

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Water resistance: PG 23
Water tightness according to
AK Test guideline for
automotive connectors

- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts

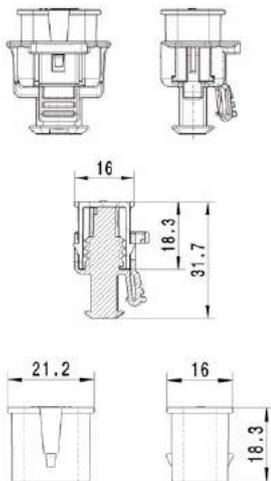
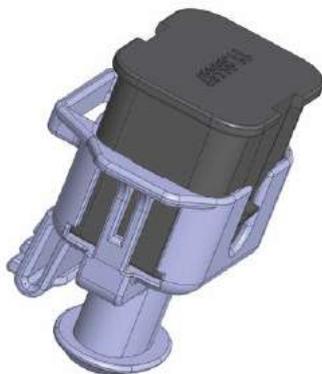


Further versions online:

protectors4connectors.com/delete-caps.html

DELETE CAPS

Bosch Compact Connector



Technical features

Colour: Black **Material:** PBT GF 20 **Temperature resistance:** -40°C to +130°C

Chemical resistance: Fuels, mineral oils, greases/oils, solvents **Water resistance:** PG 23 Water tightness according to AK Test guideline for automotive connectors

- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts



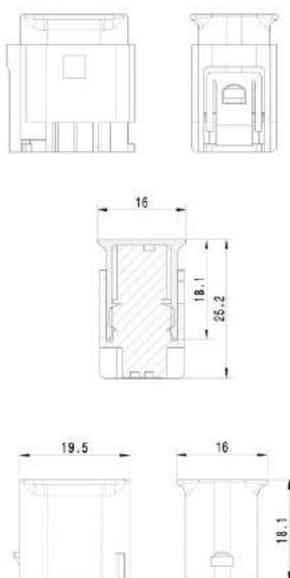
Further versions online:
protectors4connectors.com/delete-caps.html

Suitable for:
 Bosch compact plug

- ✓ Kompakt 1
- ✓ Kompakt 1.1
- ✓ Kompakt 1.1a
- ✓ Kompakt 1.1m
- ✓ Kompakt 2
- ✓ Kompakt 3

DELETE CAPS

TE MQS



Technical features

Colour: Black **Material:** PBT GF 20 **Temperature resistance:** -40°C to +130°C

Chemical resistance: Fuels, mineral oils, greases/oils, solvents **Water resistance:** PG 23 Water tightness according to AK Test guideline for automotive connectors

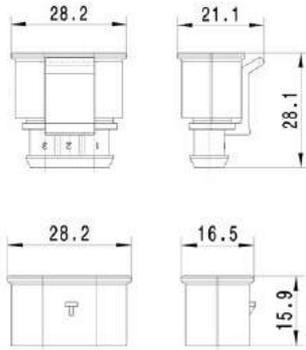
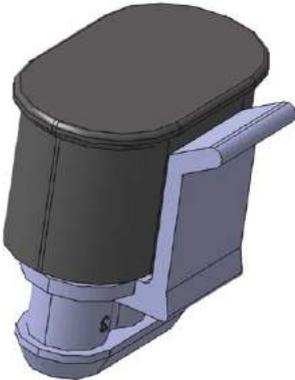
- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts



Further versions online:
protectors4connectors.com/delete-caps.html

DELETE CAPS

AMP Superseal 1.5



Technical features

Colour:
Black

Material:
PBT GF 20

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Water resistance: PG 23
Water tightness according to
AK Test guideline for
automotive connectors

- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts

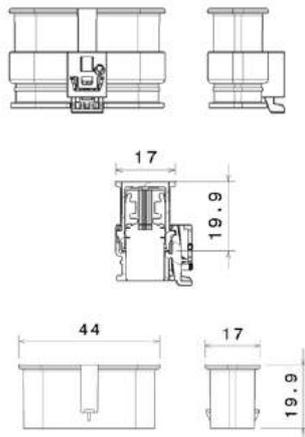
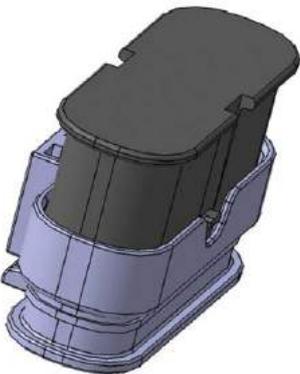


Further versions online:

protectors4connectors.com/delete-caps.html

DELETE CAPS

MLK 1.2 2-row



Technical features

Colour:
Black

Material:
PBT GF 20

Temperature resistance:
-40 °C to +130 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Water resistance: PG 23
Water tightness according to
AK Test guideline for
automotive connectors

- ⊕ Double sided attachment features
- ⊕ Easy installation
- ⊕ Loss proof and permanent protection of the plug contacts



Further versions online:

protectors4connectors.com/delete-caps.html

Suitable for:

✓ Hirschmann
SealStar

✓ TE
MCON

PROTECTORS4CONNECTORS

Sealing Plugs

Protectors4Connectors offers suitable sealing plugs for mating connectors (male interfaces). These protection systems are waterproof. An assembled silicone seal ensures that the plug fits securely in the connector housing. This protects the terminals permanently and reliably. Therefore, sealing plugs are perfect for manufacturing-related cleaning processes. They ensure safe protection in high-pressure applications. Thanks to our own on-site test facilities, Pöppelmann K-TECH® is able to test our products to the highest ingress water protection ratings (in accordance with DIN 40050).



Our sealing plugs are **all-rounders**. They fit a variety of connectors and they have multi-functional uses.

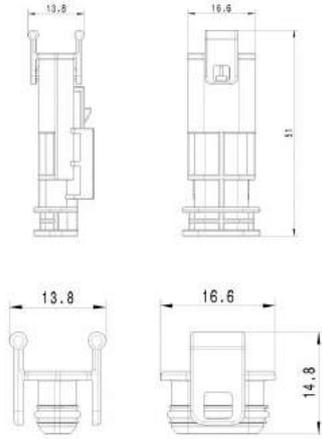
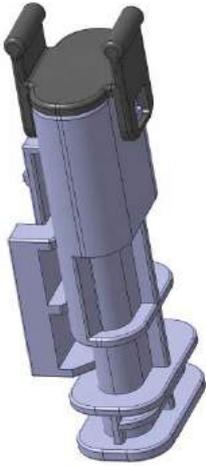


Waterproof IPX9K Compliant.



**Permanent protection of terminals.
Secure fit thanks to double-sided attachment clips.**

SEALING PLUGS

MLK/MCON 1.2**Technical features****Colour:**

Black

Material:

PA 6.6/6/Silicone

Temperature resistance:

-40 °C to +130 °C

Chemical resistance:Fuels, mineral oils,
greases/oils, solvents**Water resistance:**Waterproof according
to IPX9K

- + Double sided attachment features
- + Easy installation
- + Secure fit and permanent protection of the plug contacts
- + Integrated silicone seal



Further versions online:

protectors4connectors.com/sealing-plugs.html**Suitable for:**

- ✓ Hirschmann
SealStar
- ✓ TE
MCON
- ✓ Kostal
MLK 1.2

- ✓ FEP
QKK/MCON/
MLK 1.2

PROTECTORS4CONNECTORS

Cable Fasteners

Cable fasteners secure standardized corrugated tubes and hoses, as well as loose and bundled wires in the vehicle. Fixed positioning on the corrugated tube and secure latching features enable fast and safe installation. **Protectors4Connectors** cable fasteners offer a lighter and more cost-effective alternative to metal solutions. The shape indicates the angle at which the snap-in nose is constructed. In shape A, the snap-in nose is arranged in the direction of the cable.



The cable fasteners can also be used where **extreme temperatures** occur in the vehicle.



Various shapes.

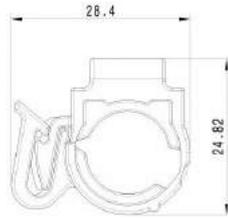


Shape A: snap-in nose perpendicular to the hose.

Shape B: snap-in nose horizontal to the hose.

CABLE FASTENERS

Corrugated pipe shape A



Technical features

Colour:
Black

Material:
PA 4.6

Temperature resistance:
-40 °C to +150 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Available for:
NW 13 – 23

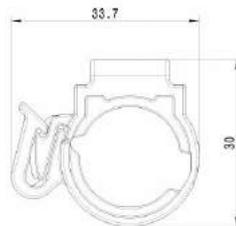
- ⊕ Fixed positioning on the corrugated pipe
- ⊕ Easy installation
- ⊕ Assembly without deformation of the corrugated pipe



Further versions online:
protectors4connectors.com/cable-fasteners.html

CABLE FASTENERS

Corrugated pipe shape B



Technical features

Colour:
Black

Material:
PA 4.6

Temperature resistance:
-40 °C to +150 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Available for:
NW 13 – 23

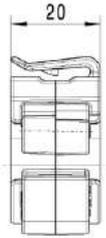
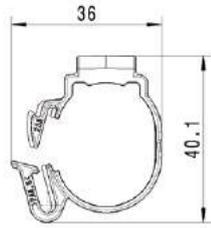
- ⊕ Fixed positioning on the corrugated pipe
- ⊕ Easy installation
- ⊕ Assembly without deformation of the corrugated pipe



Further versions online:
protectors4connectors.com/cable-fasteners.html

CABLE FASTENERS

Plain shape A



Technical features

Colour:
Black

Material:
PA 4.6

Temperature resistance:
-40 °C to +150 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Available for:
NW 13 – 23

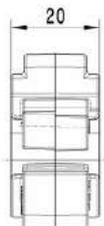
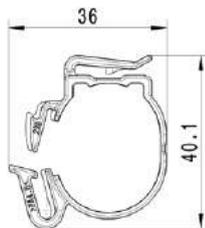
- ⊕ Easy installation
- ⊕ Fixed positioning



Further versions online:
protectors4connectors.com/cable-fasteners.html

CABLE FASTENERS

Plain shape B



Technical features

Colour:
Black

Material:
PA 4.6

Temperature resistance:
-40 °C to +150 °C

Chemical resistance:
Fuels, mineral oils,
greases/oils, solvents

Available for:
NW 13 – 23

- ⊕ Easy installation
- ⊕ Fixed positioning



Further versions online:
protectors4connectors.com/cable-fasteners.html

PÖPPELMANN KAPSTO®

Contact Protection

The safety and the protection of connection systems begin during the manufacturing process. To avoid sources of error and to support faultless installation, Pöppelmann offers GPN **protection caps** for connectors, module interfaces and pin housings. Our caps reliably protect against damage and debris that could potentially harm the connection system. During shipping and handling all the way through to the final mating connection your system is protected.



Better fit.

For the protection of standardised applications.



Seals better.

Protects against the ingress of liquids within certain limits.



Cleaner.

Upon request, we can manufacture in the specially designed cleanroom in accordance with VDA Volume 19 and ISO 16232.



Saves time.

Quick assembly and disassembly due to lateral removing and ring tabs on certain versions.



Seals better – IPX4.

Protection against splashing water from all directions (IPX4) depending on the specific connector design and quality.

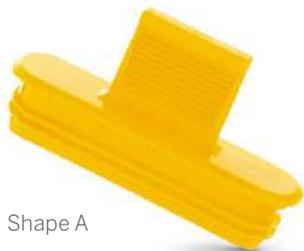


Higher temperature resistance.

Protects reliably even at very high temperatures.

MLK, SLK AND MAK CONTACT PROTECTION

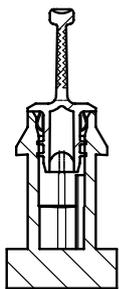
KAPSTO® GPN 360



Shape A



Shape B



Technical features

Colour: Yellow **Material:** PE-LLD **Temperature resistance:** -40°C to +70°C

Protection against dust, debris and splash water.

Suitable for:

- ✓ MLK Male connector 2-16-pol. 1, 2-row
- ✓ SLK Male connector 2-4-pol. 1-row
- ✓ MAK Male connector 2-pol. 1-row

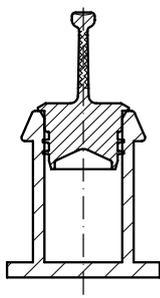
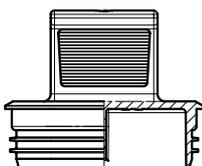


All information online:
poeppele.com/en/gpn360



FEP CONTACT PROTECTION

KAPSTO® GPN 361



Technical features

Colour: Yellow **Material:** PE LLD / PE-LD **Temperature resistance:** -40°C to +70°C / -40°C to +60°C

Protection against dust, debris and splash water.

Suitable for:

- ✓ FEP Male connector 1-10-pol. 1, 2-row

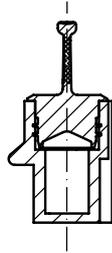
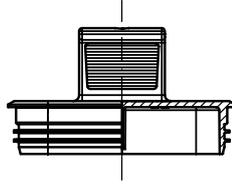
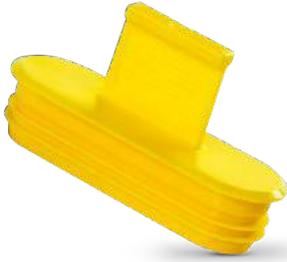


All information online:
poeppele.com/en/gpn361



SUPERSEAL CONTACT PROTECTION

KAPSTO® GPN 362



Technical features

Colour:
Yellow

Material:
PE-LD

Temperature resistance:
-40°C to +60°C

Protection against dust, debris and splash water.

Suitable for:

- ✓ Superseal
- Male connector
- 1-5-pol.
- 1-row

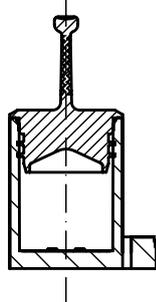
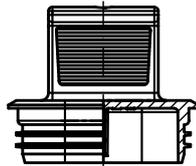


All information online:
poeppelmann.com/en/gpn362



MQS CONTACT PROTECTION

KAPSTO® GPN 363



Technical features

Colour:
Yellow

Material:
PE-LD

Temperature resistance:
-40°C to +60°C

Protection against dust, debris and splash water.

Suitable for:

- ✓ MQS
- Male connector
- 3-8-pol.
- 2-row

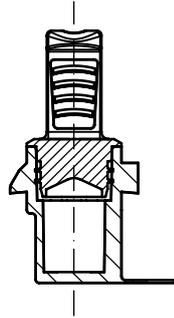
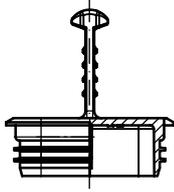


All information online:
poeppelmann.com/en/gpn363



COMPACT CONTACT PROTECTION

KAPSTO® GPN 364



Technical features

Colour:
Yellow

Material:
PE-LD

Temperature resistance:
-40 °C to +60 °C

Protection against dust, debris and splash water.

Suitable for:

- AMP
- Male connector
- 2-5-pol.
- 1-row

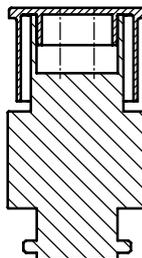
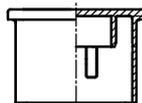


All information online:
poeppelmann.com/en/gpn364



HDSCS PROTECTION

KAPSTO® GPN 365



Technical features

Colour:
Yellow

Material:
TPE (free from
plasticizers)

Temperature resistance:
-50 °C to +150 °C

Protection against dust, debris and splash water.

Suitable for:

- HDSCS
- Male connector
- 2-18-pol.



All information online:
poeppelmann.com/en/gpn365



Special Solutions



Can't find the right product?

On request, we can also develop and produce individual custom-made products for you. It costs less than you think. Get advice without obligation:

+49 4442 982-6011 or

webshop@protectors4connectors.com



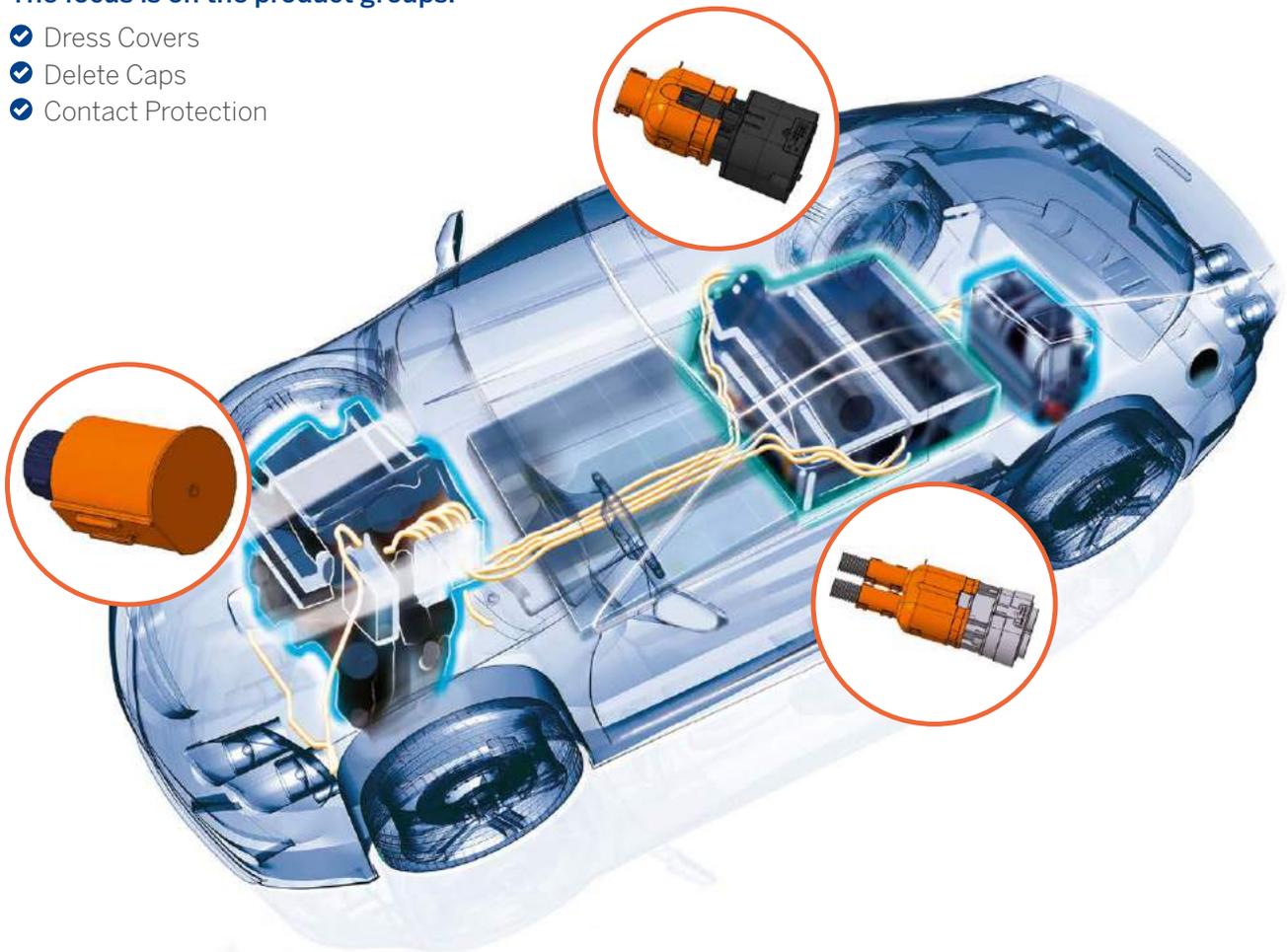
PROTECTORS4CONNECTORS

High Voltage

Applications in the high voltage range are a new challenge. Many components have higher specifications or special requirements such as flame protection, tightness and temperature-resistance. We have already developed solutions that are just about to start series production.

The focus is on the product groups:

- ✔ Dress Covers
- ✔ Delete Caps
- ✔ Contact Protection



Contact us, if we can support you as well:

[+49 4442 982-6011](tel:+4944429826011) or

webshop@protectors4connectors.com

PÖPPELMANN K-TECH®

Good, if there is
a suitable solution.
**Even better if it
causes no stress.**

With the innovative plastic solutions from Pöppelmann K-TECH®, you simply drive better. No matter how complex your requirements are, we will find the right solution for your project – economically, technically and guaranteed for the future. Sit back and relax and concentrate on your core business. Our team not only meets the deadlines, but also takes the load off you.

Plastics. Our Profession.



PÖPPELMANN

K-TECH®

Our concepts for your perfect component.

From sealing to weight-reduction and functional integration right through to technical cleanliness:
We develop innovative, economic and technical solutions tailored to your individual requirements.
Our project managers take good care of your interests at all times.



Technical cleanliness

From standard production to clean room production.



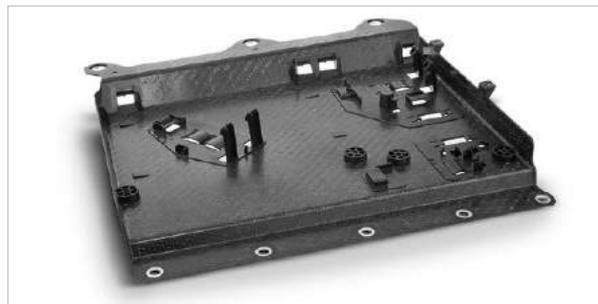
Functional integration

From insert moulding to complex assemblies.



Sealing technology

From thermoplastics to liquid silicone rubber (LSR).



Weight-reduction

From material reduction to organic sheet metal components.

And where do we start with you?

Make an appointment now:

[+49 4442 982-6010](tel:+4944429826010) or
k-tech@poeppele.com



PÖPPELMANN KAPSTO®

Perfect protection for automotive applications.

With our KAPSTO® protection solutions, we offer you optimum protection and maximum process reliability for various automotive applications – from vehicle electronics, engine, fuel management to powertrain and chassis. Discover our standard range with over 3.000 models available from stock.

And as a long-standing partner in the automotive industry, the entire Pöppelmann KAPSTO® team does much more: Together, we ensure that your competitive edge grows every day. Give yourself a competitive edge and discover the advantages of KAPSTO®!

All information can be found online:
[poepelmann.com/kapsto](https://www.poepelmann.com/kapsto)



Our service advantages at a glance:

- ⊕ Order free test samples **without any obligation**.
- ⊕ On request, we manufacture sensitive components in our KAPSTO® **clean room**, which is designed for the highest technical cleanliness.
- ⊕ Use our **online product search** to quickly find the right application for you.
- ⊕ Each protective element is available as a **CAD data download**.
- ⊕ With **Rapid Prototyping** and **Rapid Tooling**, you benefit from short development times.
- ⊕ Our production is **certified** according to DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015.



PÖPPELMANN

KAPSTO®

We do it.

More individualised.

Do you need a plastic protective element with signal effect? Do you manufacture sensitive systems such as fuel injection systems and want to protect them optimally during production, storage and transport? Or do you need an individual protective element and this also at short notice? No matter how special your requirements may be - we always have the right solution.

For exact testing, we will be happy to provide you with concepts, functional and installation samples in various materials.

We look forward to hearing from you:
+49 4442 982 9100 or
kapsto@poeppelmann.com



We do it.

Faster.

After performing feasibility testing, the KAPSTO® team developed this custom-made grip plug and brought it to series maturity in just one month.

More details on the implementation in the fast lane can be found here:
www.kapsto-fastlane.de



FastLane

1	Day	until quote
	Week	until prototype
	Month	until series part

Try out our new optional service concept:
+49 4442 982-9100



PÖPPELMANN blue®

We assume responsibility.

As a plastics processing company, we see it as being our obligation to make our products and processes as environmentally conscious as possible. Plastic is a highly valuable raw material yet less than half of the plastic used in expendable packaging is currently reused in Germany. We want to increase this quota – together with food manufacturers and trading partners, research institutions and recycling experts. With our **PÖPPELMANN blue®** initiative, our goal is to achieve a closed material cycle in which the plastic used comes from one and the same stage of the value chain.

All information can be found online:

poeppelmann.com/blue



Watch the movie:

poeppelmann.tv



We do it. More resource-efficient.



Pöppelmann TEKU®

The resource-saving plant pots in the “Recycling Blue” colour are 100 % recyclable and are made from post-consumer recycled material, 100 % of which comes from the recyclables collections of the Dual System Germany (yellow sack, yellow bin).



Pöppelmann KAPSTO®

The resource-saving protective elements in the colour “Recycling Blue” consist of 100 % recycled material and convince with the well-known KAPSTO® quality.



Pöppelmann FAMAC®

With up to 100 % recyclable packaging in the colour “Recycling Blue”, which is produced from post-consumer recycle from the yellow sack and the yellow bin, we want to counteract the 25 million tonnes of plastic waste that are generated annually in Europe alone*.



Pöppelmann K-TECH®

For more than 25 years, our technical plastic solutions have consisted largely of recycled material – e.g. the battery housing, which remains in the vehicle for many years. We are currently striving to fully close the material cycle for these products too.

* Source: EU Plastics Strategy

Pöppelmann K-TECH® – a conscious development right from the start.

✂ Reduce

We reduce the use of materials, e.g. through the MuCell® process. The use of our plastic products ensures additional weight-reduction in lightweight design.

↻ Reuse

We are working on the development of products that are intended for multiple use. Our Protectors4Connectors products have a high longevity.

♻ Recycle

We develop future-oriented concepts to close material cycles. We have been using recycled material for 25 years to manufacture our products.

WE ARE THERE FOR YOU

Our aim: completely satisfied customers – worldwide.

Since 1949 Pöppelmann has developed into one of the leading manufacturers in the plastics processing industry with 5 production sites and 600 injection molding machines, thermoforming plants and extruders. With customers in over 90 countries, the quality “made by Pöppelmann” is appreciated, thanks to the more than 2,500 highly qualified employees or “Pöppelfrauen und Pöppelmännern”.



**Pöppelmann GmbH & Co. KG
Kunststoffwerk-Werkzeugbau**

Germany, Lohne



**Pöppelmann Kunststoff-
Technik GmbH & Co. KG**

Germany, Lohne/Brockdorf



**Pöppelmann GmbH & Co. KG
Kunststoffwerk-Werkzeugbau**

Germany, Lohne/Brockdorf



**Pöppelmann Plastics
USA LLC**

USA, Claremont, NC



**Plastiques Pöppelmann
France S.A.S.**

France, Rixheim



**Pöppelmann Plastics
Kunshan Co., Ltd.**

China, Kunshan

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