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# KDS-SR FRAMES & INLAYS

## Modular Cable Entry Frames - KDS-SR

28516.4
KDS-INLAY 1, 1 way Inlay partition



- Three parts, modular solution
- Reduced installation time
- Angled Versions available
- Perfect for pre-assembled cables
- High IP66 protection

### PRODUCT DESCRIPTION

Cable entry system KDSClick

The system has a modular design, consisting of only three types of basic components: frames, inlays and sealing sleeves. Unlike conventional systems where the frame must be opened to insert the sealing sleeve and then screwed shut, CONTA-CLIP uses a dimensionally stable solution with a one-piece lightweight frame made from fibre-glass reinforced plastic.

Inlays can be clicked in to achieve the required size for the frame openings. This mechanism enables different frame configurations to be constructed for various cabling requirements and reducing the amount of items that need to be stocked.

There are over 90 different sealing sleeves available for guiding multiple cables through the frame openings. After the corresponding cable is sheathed, the sleeves can be easily inserted (from the inside of the electrical cabinet towards the outside) into the openings that are framed by the inlays.

The sealing sleeves have a conical taper so that they can be easily pressed into the frame openings/inlays. There, they reliably seal up the spaces around the cable. They also provide a secure strain relief mechanism for cables outside of the housing. The sealing sleeves can also be easily released (by pressing inwards) if you need to add or change the cabling. Thus, you can change your cabling without completely removing the frame.
There is an optional inner locking frame that can fit on inside of the electrical cabinet. The locking frame secures the sealing sleeves from within so that they cannot be tampered with or pushed back in adding extra security if required.

The frames are easy to install because it uses the same arrangement of mounting holes that are already standard for most industrial connectors, such as Harting and Walther.

There is also an option of angled frames KDS-SR90, where cables need to exit at 90° from the enclosure.

**KDS inlays**

The KDS inlays are used to convert the KDS-SR screw frames for various combinations of sealing sleeves.
There are four versions of inlays, KDS-Inlay 6, KDS-Inlay 4, KDS-Inlay 2 and KDS-Inlay 1. With these four inlays many configurations can be made without the need for specific frames for each combination.

**Features:**

- Material: Polyamide PA 6.6
- Colour: black
- Flammability: UL94 V-0
- Temperature range: -40 to +120°C
- Halogen-free, silicone-free
- Protection: IP66

**KDS screw frame**

The KDS-SR screw frames can be mounted directly onto the standard electrical-cabinet cut-outs for 4  to 24-pole industrial connectors.
After the assembly, assembled cables can easily be fed through the frame from the inside of the cabinet.
The optional inner KDS-IVR locking frame may then be used. It is secured using the four fastening screws on the screw-in frame.

**Features:**

- Material: Polyamide PA 6.6 glass-fibre reinforced
- Colour: black

- Flammability: UL94 V-0
- Temperature range: -40 to +120°C
- Halogen-free, silicone-free
- Protection: IP66

**KDS sealing sleeve inserts**
After the wires or cables have been fed in, the KDS-DE thermoplastic sealing sleeves provide an excellent seal (IP66) and also a mechanical strain relief mechanism for the cables. With a selection of 90 different sealing sleeves, perfect solutions can be designed for wire diameters from 2 to 33 mm.
Inserts that will take 2 or 4 cables are available along with special inserts are available for Asi cables.
For flat cables, the KDS-FP system has a wide range of inserts in a smaller frame size.
The material used contains no halogen or silicon. It is also resistant to fuels, oils and greases.
The grey seal sleeves are resistant to acids and alkalis. They are self-extinguishing in accordance with UL 94 V-0.
The black sealing sleeves are suitable for applications with frequent temperature fluctuations because they feature long-term stability and UV stabilization.

**Grey seal sleeves**
- Material: TPE
- Flammability: UL94 V-0
- Temperature range: -40 to + 90°C (static)
- Halogen-free, silicone-free
- Protection: IP66

**Black sealing sleeves**
- Material: TPE
- Flammability: UL94 HB
- Temperature range: -40 to +120°C (static)
- Halogen-free, silicone-free
- Higher chemical resistance
- UV-stabilized
- Protection: IP66

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Mounting** | Push in |
| **Colour** | Black |
| **IP class** | IP66 |
| **Approvals** | cUL, UL |
| **Length** | 5 mm |
| **Width** | 45 mm |
| **Height** | 17.7 mm |

| | |
|---|---|
| **Installed height** | 17.7 mm |

## MATERIALS

| | |
|---|---|
| **Material** | Polyamide 6.6 |
| **Glass-fibre reinforced** | Yes |
| **Flammability class** | V-0 |
| **Sealing material** | TPE |
| **Silicone-free** | Yes |
| **Halogen-free** | Yes |
| **Operating temperature from** | -40 °C |
| **Operating temperature to** | 120 °C |

## APPROVALS

| | |
|---|---|
| **Approvals** | cUL, UL |
| **UL test standard** | UL 508 |
| **cUL test standard** | C22.2 No. 14-95 |

## ADDITIONAL DATA

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|---|---|
| **Tariff code** | 39259020 |
| **Country of origin** | DE |
| **Weight** | 3.1 g |
| **Pack size** | 5 |

