**OEM Automatic Ltd**
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# KDS SEAL INSERTS

Cable Seals - KDS-DE, KDE-DEG, KDS-DES, KDS-DE-FB, KDS-DE-Z2K

28542.4
KDS-DEG 21-22, Black insert, Max 22mmø



- 1.0mm to 35mm, cable diameters
- Patented 'Wave Cut' technology
- Flat cable versions for KDS-FB
- -40°C to 120°C
- IP66 - UL 94-V0 - Grey, UL 94HB- Black

**PRODUCT DESCRIPTION**

Conta-Clip offer a wide range of IP66 seals to suit all applications and cable sizes.

The seals are rated to IP66, NEMA12 & NEMA 4X and are ECOLAB® certified, they are available in the standard grey colour or black.
The standard DE and DEG seals ensures a static strain relief in accordance to DIN EN 62444 standard.
Where a higher strain relief is required, the DE-Z2K seals can be used, they made of TPE and glass fibre reinforced polyamide, giving a strain relief of up to 42 Newtons.

The black seals have an operating temperature from -40°C to 120°C, are UV-stabilised and have a high chemical resistance. These are available in the small & large square profile seals only.

Single hole inserts can accommodate cables diameters from 1.5mm up to 35mm and there is a selection of 2, 3 and 4 hole variants for cable diameters of 4.5mm to 8mm diameter.

The introduction of the compact KDS-FB frame now offers a wide range of rectangular inserts designed for flat cables commonly used in the elevator and lifting industry.  These can be combined with the small KDS-DE inserts to provide a round & flat cable entry system.

When the split seals or a lower strain relief and high IP rating are not required, then there are a range of seals with a 'fish skin' membrane that can be easily puntured to pass the cables through to provide an IP54 entry.

Cone shape and seals for ASi interface cables complete the range.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Mounting** | Push in |
| **Colour** | Black |
| **IP class** | IP66 |
| **Approvals** | cUL, UL |

| | |
|---|---|
| **NEMA class** | 4x |
| **Number of cables** | 1 |
| **Cable diameter min** | 21 mm |
| **Cable diameter max** | 22 mm |
| **Length** | 42.8 mm |
| **Width** | 42.8 mm |
| **Height** | 17.7 mm |

## MATERIALS

| | |
|---|---|
| **Material** | TPE |
| **Glass-fibre reinforced** | No |
| **Flammability class** | HB |
| **Silicone-free** | Yes |
| **Halogen-free** | Yes |
| **UV-resistant** | 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

| | |
|---|---|
| **Tariff code** | 39259020 |
| **Country of origin** | DE |
| **Weight** | 26.7 g |
| **Pack size** | 10 |