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# KES IP66 CABLE ENTRY WITH STRAIN RELIEF

Cable Entry System - KES, KES-R

28653.4
KES-R 16-1/24, Snap On Cable Entry, 16 max, Black



- For cable, pipe & hose diameters 3.2mm to 20.5mm
- Double Sealing to IP66
- Polymide 6.6 Glass fibre reinforced core
- Hygienic design for wash down - Ecolab approved
- Integrated strain relief to EN62444

### PRODUCT DESCRIPTION

The KES cable entry system allows unassembled cables,or pneumatic hoses to be quickly inserted into switchgear cabinets or machine housings without the use of tools.
The KES entry plates feature a dimensionally stable & ridged, elastomer-encapsulated glass fibrereinforced polyamide frame.

There are 3 different mounting options; external screw-on outer mount, internal screw mount using threaded bushes from the inside, or snap on without screws.

To insert the required number of cables, the surface membrane is first pierced with a small screwdriver. Then the unassembled cables, hoses or pipes can be easily pushed through the plate. The special construction of the double sealed conical grommets on the back of the plate provides IP66 sealing and reliable strain relief in accordance to DIN EN 62444.

With up to 32 cables per plate (with various diameters from 3.2 to 20.5 mm), the KES is ideal for confined spaces and achieves a significantly higher packaging density than conventional entry systems such as skin top glands.

The KES is designed to use the same mounting cut-outs as the standard 24-pin industrial connectors, such as Harting & Walther, so can be easily retro-fitted.
All variants are UL approved and available in grey or black, the polyamide core and the TPE membrane conform to UL 94 V-0 classification.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Type** | KES-R |
| **Mounting** | Clip on |

| | |
|---|---|
| **Colour** | Black |
| **IP class** | IP54 |
| **NEMA class** | 4x |
| **Number of cables** | 16 |
| **Number of cables x cable diameter** | 2 x 3.2mm-6.3mm, 1 x 8.0mm-12.5mm, 3 x 12.0mm-16.2mm, 9 x 4.0mm-7.5mm, 1 x 5.5mm-10.5mm |
| **Length** | 1496 mm |
| **Width** | 58 mm |
| **Installed height** | 145 mm |

## MOUNTING DETAILS

| | |
|---|---|
| **Wall thickness** | 1.5mm-2.0mm |
| **Length of cutout** | 112 mm |
| **Width of cutout** | 36 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** | 90 °C |

## APPROVALS

| | |
|---|---|
| **UL test standard** | UL 508A |
| **cUL test standard** | C22.2 No. 14-18 |

## ADDITIONAL DATA

| | |
|---|---|
| **Tariff code** | 39259020 |
| **Country of origin** | DE |
| **Weight** | 1206 g |
| **Pack size** | 10 |



## You can choose one of three attachment options to fit your requirements

**1. Screw-on mount**



The KES (without threaded bush) is screwed from the outside onto the housing wall.

**2. Screw-on mount with threaded bushes and latching clips**



Using the latching clips, the KES-GB latches onto the outside of the housing wall. It is then screwed on from the inside, through the housing wall, using the integrated threaded bushes.

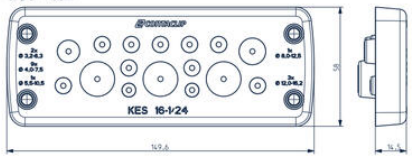
**3. Latched (snap-on) mount using latching hooks**



The KES-R is latched from outside to the housing wall using the latching clips.

KES 16-1/24

2x Ø3.2 - 6.3mm
9x Ø4.0 - 7.5mm
1x Ø5.5 - 10.5mm
1x Ø8.0 - 12.5mm
3x Ø12 - 16.2mm




Panel cut-out
for wall thickness
1.5 – 2 mm
(for snap-on attachment)




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