

KDS Cable Entry Systems

Pre-terminated cables through a sealed panel wall, connectors still on. Frame, inlay, seal. Click.

WHY A SPLIT ENTRY

A molded connector will not pass through a standard cable gland. The usual answers are to cut the cable and re-terminate it on site, which voids the cable maker's warranty, or to punch an oversized hole and give up the enclosure rating. KDS splits the seal instead. The cable goes through the frame with its connector on, the wave-cut seal closes around it, and the frame holds IP66. One frame replaces a row of glands and a row of holes, and the seals come back out from outside when a cable changes, so service never means pulling the frame.

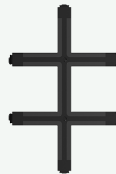


THREE PARTS, ONE SYSTEM



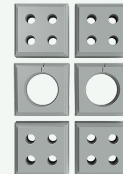
Frame

One piece, glass-fiber-reinforced polyamide, gasket foamed in at the factory so there is no separate seal to forget. Seals IP66 even on painted or rough sheet metal. Fits the standard cutouts for 10-, 16- and 24-pole heavy-duty connectors.



Inlay

Clicks into the frame and divides the opening into 1, 2, 4 or 6 seal positions. An audible click confirms it is seated.



Seal

Tapered, split along a wave cut, pressed in from inside. Grips the cable for strain relief working toward DIN EN 62444. Over 130 variants.

IP66

-40 °C to +120 °C

UL 94 V-0

Halogen-free, silicone-free

Polyamide PA 6.6 GF frame, TPE seals

UL Recognized (UL 508A)

cUL (C22.2 No. 14-18)

NEMA Type 1, 12 and 4X, indoor use only

DNV GL

THE FAMILIES



KDS-SR screw frames [KDSClick](#)

The core of the system. Four sizes: KDS-SR 1-4, 6/10, 8/16 and 10/24, assembled from inside the enclosure. Frames match the 10-, 16- and 24-pole connector cutouts, so an existing panel design usually needs no new hole. Optional inner locking frame keeps seals from being pushed out.



KDSI-SR inverted frames [and KDSI-SR-G split frame](#)

Same four sizes, assembled entirely from outside. A two-part protective hood with gaskets at three levels holds the seals and covers the frame screws. Optional external lock so nothing comes out without a tool. For enclosures you cannot reach from inside.

KDSI-SR-G split frame. The frame itself opens around the cables. Repair, retrofit and service happen without removing a single cable, and the assembly sequence no longer matters.



KDS-R round entries

For standard metric knockouts. Two frames and three thread adapters cover M20 to M63. Cables from 2 mm to 35 mm, up to 16 cables through one M40 to M63 entry. Tool-free, with a separable locknut inside. The direct replacement for a cord grip when the cable already has a plug on it.



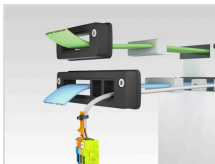
KDS-KV separable cable glands

A split gland with a split locknut for M20 to M63 knockouts. Up to four pre-assembled cables through one gland, snapped together without tools, sealed IP66.



KDS-FP flange plates

One standard cutout, 116 x 91 mm or 116 x 142 mm, shipped sealed IP66 as a blank plate. Push out a break-out segment when you need it and click in inlays and seals, up to 20 or 30 openings. Stock one cabinet configuration and decide the cabling later.



KDS-FB flat-cable entries

A seal with a "fish skin" that closes mechanically around a flat cable and takes up its tolerance, IP66. Built for industrial trucks, crane systems and elevators.



KDS-DE and KDS-DEG seals

Over 130 variants that fit every KDS frame: single-cable seals from 1.5 mm to 33 mm, two- and four-hole seals, cone seals you cut to size, blind plugs, AS-Interface seals. Black seals run -40 °C to +120 °C, UV-stabilized and chemical resistant; gray seals are UL 94 V-0 to +90 °C. KDS-DE-Z2K two-component seals add a snap-lock strain-relief shell for 1.0 mm to 8.7 mm cables, with retention and strain relief per DIN EN 62444 version A.



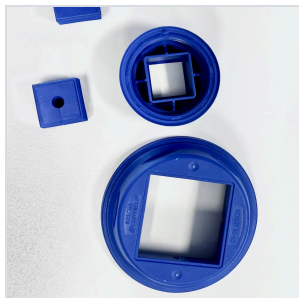
KDS-BS and KDS-BC brush entries

For network cabinets, control cabinets and raised floors where a full seal is not the requirement: dust and draft protection, a visual seal, edge protection for the cables. Screw mount (BS) or clip mount (BC) in the same three cutouts as KDS-SR. Not an IP-rated entry.



KES entries for cables without connectors

The alternative to a wall of glands. Pierce the marked center of a grommet and push the cable through. Up to 32 cables per plate, 3.2 mm to 20.5 mm, double sealed IP66 with a polyamide core and TPE overmold. Screw from outside, screw from inside with threaded bushes, or snap in from outside. NEMA Type 12 and 4X. KES-E and KES-E-R snap in tool-free for 1.0 mm to 16.1 mm cables at IP54. KES-R M cone entries cover 3 mm to 50 mm in M25 to M63 knockouts, IP54 snapped in or IP66 screwed with the lock nut, with printed diameter marks the installer cuts to the cable in hand.



The hygienic blue range: food, packaging and pharma machines

For food processing, packaging and pharmaceutical machines, Conta-Clip builds the KES entries in signal blue with an elastomer built to FDA food-contact requirements that also meets 1935/2004/EC and (EU) 10/2011. The visible face is flat and smooth with no dirt pockets. KES-GB-FDA plates seal up to 32 conductors at IP66, certified to DIN EN 60529. KES-R FDA M round entries take cables and hoses from 1.5 mm to 22.2 mm in M32 to M63 threads, IP54 latched and IP66 screwed. A lower-cost alternative to stainless steel cable glands in the washdown zone.

Next step

Send us your cable count, the outside diameters, and the cutout or knockout you already have. You get back a frame, inlay and seal selection, and a sample kit if you want to try it on the bench first.



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