



Seal, Mounting type: Plug in, Length x width: 20.3 mm, IP 66, Colour: Black

RAL: 9005

Business data

| Article number | 28559.4 |
|--|-----------------|
| Article name | KDS-DE/1XASI BK |
| GTIN (EAN) | 4044211215668 |
| Packaging unit | 10 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 6.1 g |
| Weight per piece (including packaging) | 6.5 g |
| Unit of weight | G |
| Customs number | 39259020 |
| Country of origin | DE |
| Product description | Sealing Element |
| Colour | Black |
| | |



Technical data

| Dimensions | |
|----------------------------------|--------------|
| Length | 20.3 mm |
| Width | 20.3 mm |
| Height | 17.7 mm |
| Materials | |
| Material | TPE |
| Flammability class UL 94 | HB |
| Working temperature, min. | -40 °C |
| Working temperature, max. | 120 °C |
| Halogen-free | \checkmark |
| Silicone-free | \checkmark |
| UV-resistant | \checkmark |
| Further technical data | |
| Mounting type | Plug in |
| Degree of protection | IP66 |
| Strain relief | \checkmark |
| Number of wires | 1 |
| Environmental Product Compliance | |
| REACH Conform | yes |
| REACH Reference date | 2022-06-10 |
| REACH Candidate Substance Note | No |
| RoHS Conform | yes |



Approvals

| Standards and regulations | | | |
|----------------------------|---|--|--|
| Standards / specifications | Strain relief complying with DIN EN 62444 | | |
| cUL Recognized | | | |
| cUL approval | C22.2 No. 14-18 | | |
| cUL File Number | E489821 | | |
| cUL Recognized | 1 | | |
| UL Recognized | | | |
| UL approval | UL 508A | | |
| UL File Number | E489821 | | |
| UL Recognized | 1 | | |
| German Lloyd approval | | | |
| DNV GL Certificate number | TAE00003V7 | | |
| DNV GL Location Classes | Temperature: -40°C to 120°C, Humidity: B, Vibration: B, Ingress protection: IP66 | | |
| DNV GL approval granted | 1 | | |
| | | | |



Media





Accessories

| Inlays | | | | |
|--------|-----------------|---------------------------------------|---------------|-------------------|
| | Cable entry, In | lay, Mounting type: Plug in, IP 66, C | olour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28516.4 | KDS-Inlay 1 BK | 4044211210847 | 5 ST |
| | Cable entry, In | lay, Mounting type: Plug in, IP 66, C | colour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28517.4 | KDS-Inlay 2 BK | 4044211210854 | 5 ST |
| | Cable entry, In | lay, Mounting type: Plug in, IP 66, C | colour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| I | 28518.4 | KDS-Inlay 4 BK | 4044211210861 | 5 ST |
| | Cable entry, In | lay, Mounting type: Plug in, IP 66, C | olour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28519.4 | KDS-Inlay 6 BK | 4044211210014 | 5 ST |

Screw frame



Cable entry with foamed-in seal, Mounting type: Screws, Length: 153 mm, Width: 70 mm, IP 66, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|-----------------|---------------|-------------------|
| 28504.4 | KDS-SR 10/24 BK | 4044211210809 | 1 ST |



Cable entry with foamed-in seal, Mounting type: Screws, Length: 106 mm, Width: 70 mm, IP 66, Colour: Black

| • | Article number | Article name | GTIN (EAN) | Packaging unit |
|---|----------------|----------------|---------------|-------------------|
| | 28500.4 | KDS-SR 6/10 BK | 4044211210021 | 1 ST |



Screw frame



Cable entry with foamed-in seal, Mounting type: Screws, Length: 126 mm, Width: 70 mm, IP 66, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|----------------|---------------|-------------------|
| 28502.4 | KDS-SR 8/16 BK | 4044211210786 | 1 ST |



Cable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mm, IP 66, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------|---------------|-------------------|
| 28506.4 | KDS-SR 1-4 BK | 4044211210823 | 1 ST |

Locking frame

| Inner locking fr | ame, Length: 80 mm, Height: 1 | 1.5 mm, Colour: Black | |
|---|--|---|----------------------------|
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28507.4 | KDS-IVR 1-4 BK | 4044211210830 | 10 ST |
| Inner locking fr | ame, Length: 105 mm, Height: | 11.5 mm, Colour: Black | |
| Article number | Article name | GTIN (EAN) | Packaging unit |
| | | | |
| <u>28501.4</u> | KDS-IVR 6/10 BK | 4044211210779 | 10 ST |
| | KDS-IVR 6/10 BK rame, Length: 125 mm, Height: | | 10 ST |
| | | | 10 ST Packaging unit |
| Inner locking fr | ame, Length: 125 mm, Height: | 11.5 mm, Colour: Black | Packaging |
| Inner locking fr Article number 28503.4 | ame, Length: 125 mm, Height: Article name | 11.5 mm, Colour: Black GTIN (EAN) 4044211210793 | Packaging unit |
| Inner locking fr Article number 28503.4 | rame, Length: 125 mm, Height: Article name KDS-IVR 8/16 BK | 11.5 mm, Colour: Black GTIN (EAN) 4044211210793 | Packaging unit |

Actuating tool





Using the KDS BW1 actuating tool, the seals can be conveniently mounted in and dismantled from the frame. The ergonomic grip and the special shape enable simple and precise installations, especially for cabling applications in confined spaces., Material: Polyamide

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|--------------|---------------|-------------------|
| 28622.0 | KDS BW 1 | 4044211216597 | 1 ST |

##INVERSE##CONTA-CABLE



Split cable gland including counter nut, Thread type: metric, Material: PA 6.6, Protection: IP 66, Colour: Black

| | Article number | Article name | GTIN (EAN) | Packaging unit |
|---|----------------|---------------|---------------|-------------------|
| - | 28610.4 | KDS-KV M20 BK | 4044211208936 | 10 ST |

Split cable gland including counter nut, Thread type: metric, Material: PA 6.6, Protection: IP 66, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|---------------|---------------|-------------------|
| 28611.4 | KDS-KV M25 BK | 4044211208943 | 10 ST |

Round cable entry, Material: polyamide PA 6.6, glass-fibre reinforced | TPE, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|----------------|---------------|-------------------|
| 28770.4 | KDS-R 20-32 BK | 4044211234508 | 5 ST |



Cable entry flange plate with foamed-in frame gasket, Mounting type: Screw, Length: 165 mm, Width: 123 mm, IP66, Colour: Black

| Article numbe | er Article name | GTIN (EAN) | Packaging unit |
|---------------|-------------------|---------------|-------------------|
| 28660.4 | KDS-FP 2x10/24 BK | 4044211220358 | 1 ST |

| • | |
|---|-------------|
| • | |
| | \square . |

Cable entry flange plate with foamed-in frame gasket, Mounting type: Screw, Length: 165 mm, Width: 174 mm, IP66, Colour: Black

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|-------------------|---------------|-------------------|
| 28661.4 | KDS-FP 3x10/24 BK | 4044211220365 | 1 ST |



| Round cable e | entry, Material: polyamide PA 6 | .6, glass-fibre reinforced TF | PE, Colour: Bl |
|-------------------------------------|---|---------------------------------|-------------------|
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28770.4 | KDS-R 20-32 BK | 4044211234508 | 5 ST |
| Thread and lo Black | cking adapter, Material: Polyan | nide PA 6.6, glass-fibre reinf | orced, Colour |
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28776.4 | KDS-RGA M50 BK | 4044211234560 | 5 ST |
| Cable entry wi IP 66, Colour: | th moulded-in seal, Mounting t Black | ype: Screws, Length: 98 mm | n, Width: 39 m |
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28702.4 | KDS-SR-FB2/B BK | 4044211225490 | 10 ST |
| mm, IP 66, Co Article number | Article name | GTIN (EAN) | Packaging unit |
| 28712.4 | KDS-SR-FB4/F BK | 4044211225599 | 10 ST |
| Thread and lo Black | cking adapter, Material: Polyan | nide PA 6.6, glass-fibre reinf | orced, Colour |
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28771.4 | KDS-RGA M20 BK | 4044211234515 | 5 ST |
| Thread and lo Black | cking adapter, Material: Polyan | nide PA 6.6, glass-fibre reinf | orced, Colour |
| Article number | Article name | GTIN (EAN) | Packaging unit |
| 28772.4 | KDS-RGA M25 BK | 4044211234522 | 5 ST |
| Thread and lo Black | cking adapter, Material: Polyan | nide PA 6.6, glass-fibre reinf | orced, Colour |
| Article number | Article name | GTIN (FAN) | Packaging |

| Article number | Article name | GTIN (EAN) | Packaging unit |
|----------------|----------------|---------------|-------------------|
| 28773.4 | KDS-RGA M32 BK | 4044211234539 | 5 ST |



| | Round cable e | entry, Material: polyamide PA 6.6, g | lass-fibre reinforced TF | PE, Colour: Black |
|-----|---|--|------------------------------------|-------------------|
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28774.4 | KDS-R 40-63 BK | 4044211234546 | 5 ST |
| | Inner locking f | rame, Length: 125 mm, Height: 11. | 5 mm, Colour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28503.4 | KDS-IVR 8/16 BK | 4044211210793 | 10 ST |
| | Inner locking f | rame, Length: 152 mm, Height: 11. | 5 mm, Colour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28505.4 | KDS-IVR 10/24 BK | 4044211210816 | 10 ST |
| | Cable entry wi mm, IP 66, Co | th moulded-in seal, Mounting type: lour: Black | Screws, Length: 120 m | m, Width: 39 |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28704.4 | KDS-SR-FB3/B BK | 4044211225513 | 10 ST |
| | Cable entry wi mm, IP 66, Co | th moulded-in seal, Mounting type: lour: Black | Screws, Length: 120 mi | m, Width: 39 |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28706.4 | KDS-SR-FB3/D BK | 4044211225537 | 10 ST |
| | | th foamed-in seal, Mounting type: S | Screws, Length: 126 mm | , Width: 70 mm, |
| • • | IP 66, Colour: | Black | | |
| • | Article number | Article name | GTIN (EAN) | Packaging unit |
| • | | | GTIN (EAN) 4044211210786 | |
| | Article number 28502.4 | Article name KDS-SR 8/16 BK th moulded-in seal, Mounting type: | 4044211210786 | unit 1 ST |
| | Article number 28502.4 Cable entry wi | Article name KDS-SR 8/16 BK th moulded-in seal, Mounting type: | 4044211210786 | unit 1 ST |



| | Cable entry wit mm, IP 66, Co | th moulded-in seal, Mounting type: Sc lour: Black | rews, Length: 147 mr | n, Width: 39 |
|--|-----------------------------------|--|------------------------|-------------------|
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28710.4 | KDS-SR-FB4/D BK | 4044211225575 | 10 ST |
| | Cable entry se | t, IP66, Consisting of: 1 x KDS-SR 6/1 | 10, 1 x KDS-Inlay 2, 1 | x KDS-Inlay 6 |
| • • • • • | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28603.4 | KDS-Set 6/10 BK | 4044211216191 | 1 ST |
| | Cable entry se | t, IP66, Consisting of: 1 x KDS-SR 8/1 | 16, 1 x KDS-Inlay 1, 2 | x KDS-Inlay 4 |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28604.4 | KDS-Set 8/16 BK | 4044211216207 | 1 ST |
| | Inner locking fr | ame, Length: 152 mm, Height: 11.5 n | nm, Colour: Black | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28505.4 | KDS-IVR 10/24 BK | 4044211210816 | 10 ST |
| a contraction of the second seco | Cable entry wit Colour: Black | th TPE seal, Mounting type: Screws, I | ₋ength: 81 mm, Width | : 64 mm, IP 66, |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28880.4 | KDSI-SR 1-4 BK | 4044211243807 | 1 ST |
| • | Cable entry wit IP 66, Colour: | th foamed-in seal, Mounting type: Scr Black | ews, Length: 106 mm | , Width: 70 mm, |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28500.4 | KDS-SR 6/10 BK | 4044211210021 | 1 ST |
| • • | Cable entry wit IP 66, Colour: | th foamed-in seal, Mounting type: Scr Black | ews, Length: 126 mm | , Width: 70 mm, |
| •• | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28502.4 | KDS-SR 8/16 BK | 4044211210786 | 1 ST |



| • • | Cable entry wit IP 66, Colour: | h foamed-in seal, Mounting type: S Black | Screws, Length: 81 mm, | Width: 70 mm, |
|-----|--|--|---|--|
| •• | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28506.4 | KDS-SR 1-4 BK | 4044211210823 | 1 ST |
| • • | Cable entry se | t, IP66, Consisting of: 1 x KDS-SR | 1-4 BK, 1 x KDS-Inlay 4 | ВК |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28602.4 | KDS-Set 1-4 BK | 4044211216184 | 1 ST |
| | Cable entry se | t, IP66, Consisting of: 1xKDSI-SR | 8/16, 2xKDS-Inlay 4 | |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| - | 28892.4 | KDSI-SET 8/16 BK | 4044211242176 | 1 ST |
| | Cable entry se | t, IP66, Consisting of: 1xKDSI-SR | 10/24, each 1xKDS-Inlay | / 2,4,6 |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28893.4 | KDSI-SET 10/24 BK | 4044211242183 | 1 ST |
| | Cable entry wit 66, Colour: Bla | h TPE seal, Mounting type: Screw ck | vs, Length: 106 mm, Widt | h: 64 mm, IP |
| | Article number | Article name | GTIN (EAN) | Packaging unit |
| | 28881.4 | KDSI-SR 6/10 BK | 4044211242084 | 4.07 |
| | | | -0 | 1 ST |
| | Cable entry wit Colour: Black | h TPE seal, Mounting type: Screw | | |
| | • | h TPE seal, Mounting type: Screw | | |
| | Colour: Black | | vs, Length: 81 mm, Width | : 64 mm, IP 66, Packaging |
| | Colour: Black Article number 28880.4 | Article name KDSI-SR 1-4 BK h TPE seal, Mounting type: Screw | vs, Length: 81 mm, Width GTIN (EAN) 4044211243807 | : 64 mm, IP 66, Packaging unit 1 ST |
| | Colour: Black Article number 28880.4 Cable entry wit | Article name KDSI-SR 1-4 BK h TPE seal, Mounting type: Screw | vs, Length: 81 mm, Width GTIN (EAN) 4044211243807 | : 64 mm, IP 66, Packaging unit 1 ST |
| | Colour: Black Article number 28880.4 Cable entry wit 66, Colour: Black | Article name KDSI-SR 1-4 BK h TPE seal, Mounting type: Screw ck | vs, Length: 81 mm, Width GTIN (EAN) 4044211243807 vs, Length: 126 mm, Widt | : 64 mm, IP 66, Packaging unit 1 ST :h: 64 mm, IP Packaging |



| | Cable entry wit 66, Colour: Bla | th TPE seal, Mounting type: Screws, L lick | ₋ength: 153 mm, Wid | th: 64 mm, IP | |
|--------|---|--|--|--|--|
| | Article number | Article name | GTIN (EAN) | Packaging unit | |
| | 28883.4 | KDSI-SR 10/24 BK | 4044211242107 | 1 ST | |
| 0 | Cable entry se | t, IP66, Consisting of: 1 x KDSI-SR 1- | 4 BK, 1 x KDS-Inlay | 4 BK | |
| | Article number | Article name | GTIN (EAN) | Packaging unit | |
| | 28890.4 | KDSI-SET 1-4 BK | 4044211242152 | 1 ST | |
| DIS | Cable entry se | t, IP66, Consisting of: 1xKDSI-SR 6/1 | 0, 1xKDS-Inlay 2, 1xI | KDS-Inlay 6 | |
| add | Article number | Article name | GTIN (EAN) | Packaging unit | |
| | 28891.4 | KDSI-SET 6/10 BK | 4044211242169 | 1 ST | |
| | Cable entry set, IP66, Consisting of: 1xKDSI-SR 8/16, 2xKDS-Inlay 4 | | | | |
| BU U U | Cable entry se | t, IP66, Consisting of: 1xKDSI-SR 8/1 | 6, 2xKDS-Inlay 4 | | |
| | Cable entry se | t, IP66, Consisting of: 1xKDSI-SR 8/10 Article name | 6, 2xKDS-Inlay 4 GTIN (EAN) | Packaging unit | |
| | · | | | | |
| | Article number 28892.4 | Article name | GTIN (EAN) 4044211242176 | unit 1 ST | |
| | Article number 28892.4 | Article name KDSI-SET 8/16 BK | GTIN (EAN) 4044211242176 | unit 1 ST | |
| | Article number 28892.4 Cable entry se | Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 10/2 | GTIN (EAN) 4044211242176 24, each 1xKDS-Inlay | unit 1 ST y 2,4,6 Packaging | |
| | Article number 28892.4 Cable entry se Article number 28893.4 | Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 10/2 Article name KDSI-SET 10/24 BK th TPE seal, Mounting type: Screws, L | GTIN (EAN) 4044211242176 24, each 1xKDS-Inlay GTIN (EAN) 4044211242183 | unit 1 ST y 2,4,6 Packaging unit 1 ST | |
| | Article number 28892.4 Cable entry se Article number 28893.4 Cable entry wit | Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 10/2 Article name KDSI-SET 10/24 BK th TPE seal, Mounting type: Screws, L | GTIN (EAN) 4044211242176 24, each 1xKDS-Inlay GTIN (EAN) 4044211242183 | unit 1 ST y 2,4,6 Packaging unit 1 ST | |