



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 24 mm, IP 66, Colour: Black

### **RAL:** 9005

### **Business data**

| Article number                             | <u>28554.4</u>    |
|--|-------------------|
| Article name                               | KDS-DEG/K 7-24 BK |
| GTIN (EAN)                                 | 4044211216108     |
| Packaging unit                             | 10                |
| Quantity unit                              | PC                |
| Weight per piece (not including packaging) | 30.4 g            |
| Weight per piece (including packaging)     | 30.8 g            |
| Unit of weight                             | G                 |
| Customs number                             | 39259020          |
| Country of origin                          | DE                |
| Product description                        | Sealing Element   |
| Colour                                     | Black             |
|  |                   |



### **Technical data**

| Dimensions                       |              |
|----------------------------------|--------------|
| Length                           | 42.8 mm      |
| Width                            | 42.8 mm      |
| Height                           | 62.7 mm      |
| Materials                        |              |
| Material                         | TPE          |
| Flammability class UL 94         | НВ           |
| 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                    | $\checkmark$ |
| Cable diameter, min.             | 7 mm         |
| Cable diameter, max.             | 24 mm        |
| Number of wires                  | 1            |
| Environmental Product Compliance |              |
| REACH Conform                    | yes          |
| REACH Reference date             | 2023-06-14   |
| REACH Candidate Substance Note   | No           |
| RoHS Conform                     | yes          |



### Approvals

| Standards and regulations  |   |  |
|----------------------------|---|--|
| Standards / specifications | Strain relief complying with DIN EN 62444   |  |
| German Lloyd approval      |   |  |
| DNV GL Certificate number  | TAE00003V7  |  |
| DNV GL Location Classes    | Temperature: -40°C to 120°C, Humidity: B, Vibration:<br>B, Ingress protection: IP66 |  |
| DNV GL approval granted    | 1   |  |



### Media





### Accessories

#### Inlays

|    | Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: Black |   |               |                   |
|----|--|---|---------------|-------------------|
|    | Article number   | Article name                              | GTIN (EAN)    | Packaging<br>unit |
|    | 28516.4  | KDS-Inlay 1 BK                            | 4044211210847 | 5 ST              |
|    | Cable entry, In  | lay, Mounting type: Plug in, IP 66, Colou | r: Black      |                   |
|    | Article number   | Article name                              | GTIN (EAN)    | Packaging<br>unit |
|    | 28517.4  | KDS-Inlay 2 BK                            | 4044211210854 | 5 ST              |
| G  | Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: Black |   |               |                   |
|    | Article number   | Article name                              | GTIN (EAN)    | Packaging<br>unit |
| Ŧ  | 28518.4  | KDS-Inlay 4 BK                            | 4044211210861 | 5 ST              |
| 11 | Cable entry, In  | lay, Mounting type: Plug in, IP 66, Colou | r: Black      |                   |
|    | Article number   | Article name                              | GTIN (EAN)    | Packaging<br>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<br>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<br>unit |
|----------------|----------------|---------------|-------------------|
| 28500.4        | KDS-SR 6/10 BK | 4044211210021 | 1 ST              |



#### **Screw frame**

| • • | Cable entry wi<br>IP 66, Colour: | th foamed-in seal, Mounting type: Scree<br>Black | ews, Length: 126 mm   | , Width: 70 mm,   |
|-----|----------------------------------|--|-----------------------|-------------------|
| ••  | Article number                   | Article name                                     | GTIN (EAN)            | Packaging<br>unit |
|     | 28502.4                          | KDS-SR 8/16 BK                                   | 4044211210786         | 1 ST              |
| • • | Cable entry wi<br>IP 66, Colour: | th foamed-in seal, Mounting type: Scre<br>Black  | ews, Length: 81 mm, ' | Width: 70 mm,     |
|     | Article number                   | Article name                                     | GTIN (EAN)            | Packaging<br>unit |
|     | 28506.4                          | KDS-SR 1-4 BK                                    | 4044211210823         | 1 ST              |

### Locking frame

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

KDS-IVR 10/24 BK

#### ##INVERSE##CONTA-CABLE

28505.4

4044211210816

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<br>unit |
|-----------------------------|---------------|---------------|-------------------|
| 28613.4                     | KDS-KV M40 BK | 4044211208967 | 5 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<br>unit |
|-----------------------------|---------------|---------------|-------------------|
| 28614.4                     | KDS-KV M50 BK | 4044211208974 | 5 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<br>unit |
|----------------|---------------|---------------|-------------------|
| 28615.4        | KDS-KV M63 BK | 4044211208981 | 5 ST              |

#### Inner locking frame, Length: 125 mm, Height: 11.5 mm, Colour: Black

| j | Article number | Article name    | GTIN (EAN)    | Packaging<br>unit |
|---|----------------|-----------------|---------------|-------------------|
|   | 28503.4        | KDS-IVR 8/16 BK | 4044211210793 | 10 ST             |



Inner locking frame, Length: 80 mm, Height: 11.5 mm, Colour: Black

| Article number | Article name   | GTIN (EAN)    | Packaging<br>unit |
|----------------|----------------|---------------|-------------------|
| 28507.4        | KDS-IVR 1-4 BK | 4044211210830 | 10 ST             |



Inner locking frame, Length: 105 mm, Height: 11.5 mm, Colour: Black

| • | Article number | Article name    | GTIN (EAN)    | Packaging<br>unit |
|---|----------------|-----------------|---------------|-------------------|
|   | 28501.4        | KDS-IVR 6/10 BK | 4044211210779 | 10 ST             |



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

| Article number | Article name   | GTIN (EAN)    | Packaging<br>unit |
|----------------|----------------|---------------|-------------------|
| 28774.4        | KDS-R 40-63 BK | 4044211234546 | 5 ST              |



| Article number   | Article name   | GTIN (EAN)  | Packaging<br>unit                  |  |
|--|--|---|------------------------------------|--|
| 28602.4  | KDS-Set 1-4 BK   | 4044211216184   | 1 ST                               |  |
| Thread and loo<br>Black  | cking adapter, Material: Polyamide   | PA 6.6, glass-fibre reinf   | orced, Colour:                     |  |
| Article number   | Article name   | GTIN (EAN)  | Packaging<br>unit                  |  |
| 28777.4  | KDS-RGA M63 BK   | 4044211234577   | 5 ST                               |  |
| Inner locking f  | rame, Length: 80 mm, Height: 11.5  | mm, Colour: Black   |                                    |  |
| Article number   | Article name   | GTIN (EAN)  | Packaging<br>unit                  |  |
| 28507.4  | KDS-IVR 1-4 BK   | 4044211210830   | 10 ST                              |  |
| Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: Black           |  |   |                                    |  |
| Article number   | Article name   | GTIN (EAN)  | Packaging<br>unit                  |  |
| 28518.4  | KDS-Inlay 4 BK   | 4044211210861   | 5 ST                               |  |
| Cable entry se   | t, IP66, Consisting of: 1 x KDS-SR   | 6/10, 1 x KDS-Inlay 2, 1  | . x KDS-Inlay                      |  |
|  |  |   | Packaging                          |  |
| Article number   | Article name   | GTIN (EAN)  | unit                               |  |
| Article number<br>28603.4  | Article name<br>KDS-Set 6/10 BK  | 4044211216191   | 1 ST                               |  |
| 28603.4  |  | 4044211216191   |                                    |  |
| 28603.4  | KDS-Set 6/10 BK  | 4044211216191   |                                    |  |
| 28603.4<br>Inner locking f   | KDS-Set 6/10 BK<br>rame, Length: 152 mm, Height: 11.   | 4044211216191<br>5 mm, Colour: Black                                | 1 ST<br>Packaging                  |  |
| 28603.4<br>Inner locking fr<br>Article number<br>28505.4                   | KDS-Set 6/10 BK<br>rame, Length: 152 mm, Height: 11.4<br><b>Article name</b><br>KDS-IVR 10/24 BK<br>th TPE seal, Mounting type: Screws | 4044211216191<br>5 mm, Colour: Black<br>GTIN (EAN)<br>4044211210816 | 1 ST<br>Packaging<br>unit<br>10 ST |  |
| 28603.4<br>Inner locking fr<br>Article number<br>28505.4<br>Cable entry wi | KDS-Set 6/10 BK<br>rame, Length: 152 mm, Height: 11.4<br><b>Article name</b><br>KDS-IVR 10/24 BK<br>th TPE seal, Mounting type: Screws | 4044211216191<br>5 mm, Colour: Black<br>GTIN (EAN)<br>4044211210816 | 1 ST<br>Packaging<br>unit<br>10 ST |  |



| Article numberArticle nameGTIN (EAN)Packaging<br>unit28891.4KDSI-SET 6/10 BK40442112421691 ST28891.4KDSI-SET 6/10 BK40442112421691 STCable entry set, IP66, Consisting of: 1 x KDS-SR 10/24, 1 each of KDS-InIay 24,6Article numberArticle nameArticle numberArticle nameGTIN (EAN)Packaging<br>unit28005.4KDS-Set 10/24 BK40442112162141 STCable entry, InIay, Mounting type: Plug in, IP 66, Colour: BlackArticle numberArticle nameArticle numberArticle nameGTIN (EAN)Packaging<br>unit28519.4KDS-Inlay 6 BK40442112100145 STCable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mm<br>IP 66, Colour: BlackSTArticle numberArticle nameGTIN (EAN)Packaging<br>unit28506.4KDS-SR 1-4 BK40442112108231 STCable entry set, IP66, Consisting of: 1xKDSI-SR 8/16, 2xKDS-Inlay 41 ST |
|---|
| Cable entry set, IP66, Consisting of: 1 x KDS-SR 10/24, 1 each of KDS-Inlay 2,4,6     Article number   Article name   GTIN (EAN)   Packaging unit     28605.4   KDS-Set 10/24 BK   4044211216214   1 ST     Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: Black   Article number   Article name   GTIN (EAN)   Packaging unit     28519.4   KDS-Inlay 6 BK   4044211210014   5 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  |
| Article numberArticle nameGTIN (EAN)Packaging<br>unit28605.4KDS-Set 10/24 BK40442112162141 ST28605.4KDS-Set 10/24 BK40442112162141 STCable entry, Inlay, Mounting type: Plug in, IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)Packaging<br>unit28519.4KDS-Inlay 6 BK40442112100145 STCable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mm<br>IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)Packaging<br>unitCable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mm<br>IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)Packaging<br>unit28506.4KDS-SR 1-4 BK40442112108231 ST   |
| Article number   Article name   GTIN (EAN)   unit     28605.4   KDS-Set 10/24 BK   4044211216214   1 ST     Cable entry, InIay, Mounting type: Plug in, IP 66, Colour: Black   Article number   Article name   GTIN (EAN)   Packaging unit     28519.4   KDS-Inlay 6 BK   4044211210014   5 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  |
| Cable entry, InIay, Mounting type: Plug in, IP 66, Colour: Black     Article number   Article name   GTIN (EAN)   Packaging unit     28519.4   KDS-Inlay 6 BK   4044211210014   5 ST     Cable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mr   IP 66, Colour: Black     Article number   Article name   GTIN (EAN)   Packaging unit     28506.4   KDS-SR 1-4 BK   4044211210823   1 ST  |
| Article numberArticle nameGTIN (EAN)Packaging unit28519.4KDS-Inlay 6 BK40442112100145 STCable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mr<br>IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)Packaging unit28506.4KDS-SR 1-4 BK40442112108231 ST  |
| Article numberArticle nameGTIN (EAN)unit28519.4KDS-Inlay 6 BK40442112100145 STCable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mr<br>IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)Packaging<br>unit28506.4KDS-SR 1-4 BK40442112108231 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   |
| IP 66, Colour: Black GTIN (EAN) Packaging unit   28506.4 KDS-SR 1-4 BK 4044211210823 1 ST   |
| Article number     Article name     GTIN (EAN)     unit       28506.4     KDS-SR 1-4 BK     4044211210823     1 ST  |
|   |
| Cable entry set, 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 with TPE seal, Mounting type: Screws, Length: 126 mm, Width: 64 mm, IP<br>66, Colour: Black   |
| Article number Article name GTIN (EAN) Packaging unit   |
| 28882.4 KDSI-SR 8/16 BK 4044211242091 1 ST  |
| Cable entry with TPE seal, Mounting type: Screws, Length: 126 mm, Width: 64 mm, IP<br>66, Colour: Black   |
| Article number Article name GTIN (EAN) Packaging unit   |
|   |



| Article number   | Article name  | GTIN (EAN)   | Packaging  |  |
|--|---|--|--|--|
| 28890.4  | KDSI-SET 1-4 BK   | 4044211242152  | unit<br>1 ST   |  |
| <br>   | t, IP66, Consisting of: 1xKDSI-SR   | 8/16, 2xKDS-Inlay 4  |  |  |
| Article number   | Article name  | GTIN (EAN)   | Packaging<br>unit  |  |
| 28892.4  | KDSI-SET 8/16 BK  | 4044211242176  | 1 ST   |  |
| Cable entry se   | t, IP66, Consisting of: 1xKDSI-SR   | 8/16, 2xKDS-Inlay 4  |  |  |
| Article number   | Article name  | GTIN (EAN)   | Packaging<br>unit  |  |
| 28892.4  | KDSI-SET 8/16 BK  | 4044211242176  | 1 ST   |  |
| Cable entry set, IP66, Consisting of: 1xKDSI-SR 8/16, 2xKDS-Inlay 4  |   |  |  |  |
| Article number   | Article name  | GTIN (EAN)   | Packaging<br>unit  |  |
| 28892.4  | KDSI-SET 8/16 BK  | 4044211242176  |  |  |
|  |   | 4044211242170  | 1 ST   |  |
| <br>   | th TPE seal, Mounting type: Screw   |  |  |  |
| Cable entry wi   | th TPE seal, Mounting type: Screw   |  |  |  |
| Cable entry wi<br>66, Colour: Bla  | th TPE seal, Mounting type: Screw<br>ack  | vs, Length: 106 mm, Wid  | th: 64 mm, IP<br>Packaging   |  |
| Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4   | th TPE seal, Mounting type: Screw<br>ack<br><b>Article name</b><br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw   | vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084   | th: 64 mm, IP<br>Packaging<br>unit<br>1 ST   |  |
| Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4<br>Cable entry wi   | th TPE seal, Mounting type: Screw<br>ack<br><b>Article name</b><br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw   | vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084   | th: 64 mm, IP<br>Packaging<br>unit<br>1 ST<br>th: 64 mm, IP                              |  |
| Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4<br>Cable entry wi<br>66, Colour: Bla  | th TPE seal, Mounting type: Screw<br>ack<br>Article name<br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw<br>ack   | vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084<br>vs, Length: 106 mm, Wid                                | th: 64 mm, IP<br>Packaging<br>unit<br>1 ST<br>th: 64 mm, IP<br>Packaging                 |  |
| Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4<br>Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4                   | th TPE seal, Mounting type: Screw<br>ack<br>Article name<br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw<br>ack<br>Article name<br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw | vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084<br>vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084 | th: 64 mm, IP<br>Packaging<br>unit<br>1 ST<br>th: 64 mm, IP<br>Packaging<br>unit<br>1 ST |  |
| Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4<br>Cable entry wi<br>66, Colour: Bla<br>Article number<br>28881.4<br>Cable entry wi | th TPE seal, Mounting type: Screw<br>ack<br>Article name<br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw<br>ack<br>Article name<br>KDSI-SR 6/10 BK<br>th TPE seal, Mounting type: Screw | vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084<br>vs, Length: 106 mm, Wid<br>GTIN (EAN)<br>4044211242084 | th: 64 mm, IP<br>Packaging<br>unit<br>1 ST<br>th: 64 mm, IP<br>Packaging<br>unit<br>1 ST |  |



|         | Cable entry se                     | able entry set, IP66, Consisting of: 1 x KDSI-SR 1-4 BK, 1 x KDS-Inlay 4 BK |                       |                   |  |
|---------|------------------------------------|---|-----------------------|-------------------|--|
|         | Article number                     | Article name  | GTIN (EAN)            | Packaging<br>unit |  |
|         | 28890.4                            | KDSI-SET 1-4 BK   | 4044211242152         | 1 ST              |  |
|         | Cable entry se                     | t, IP66, Consisting of: 1xKDSI-SR 6/10                                      | ), 1xKDS-Inlay 2, 1xK | DS-Inlay 6        |  |
|         | Article number                     | Article name  | GTIN (EAN)            | Packaging<br>unit |  |
|         | 28891.4                            | KDSI-SET 6/10 BK  | 4044211242169         | 1 ST              |  |
| No Con- | Cable entry se                     | t, IP66, Consisting of: 1xKDSI-SR 8/16                                      | 6, 2xKDS-Inlay 4      |                   |  |
|         | Article number                     | Article name  | GTIN (EAN)            | Packaging<br>unit |  |
|         | 28892.4                            | KDSI-SET 8/16 BK  | 4044211242176         | 1 ST              |  |
|         | Cable entry se                     | t, IP66, Consisting of: 1xKDSI-SR 10/2                                      | 24, each 1xKDS-Inlay  | 2,4,6             |  |
|         | Article number                     | Article name  | GTIN (EAN)            | Packaging<br>unit |  |
|         | 28893.4                            | KDSI-SET 10/24 BK   | 4044211242183         | 1 ST              |  |
|         | Cable entry wit<br>66, Colour: Bla | th TPE seal, Mounting type: Screws, L<br>lick                               | ength: 106 mm, Widtł  | n: 64 mm, IP      |  |
|         | Article number                     | Article name  | GTIN (EAN)            | Packaging<br>unit |  |
|         |                                    |   |                       |                   |  |

28881.4

KDSI-SR 6/10 BK

4044211242084

1 ST