

Data sheet

28605.4 KDS-Set 10/24 BK



Cable entry set, IP66, Consisting of: 1 x KDS-SR 10/24, 1 each of KDS-Inlay 2,4,6

RAL: 9005

Business data

|                                            |                  |
|--------------------------------------------|------------------|
| Article number                             | 28605.4          |
| Article name                               | KDS-Set 10/24 BK |
| GTIN (EAN)                                 | 4044211216214    |
| Packaging unit                             | 1                |
| Quantity unit                              | PC               |
| Weight per piece (not including packaging) | 87.9 g           |
| Weight per piece (including packaging)     | 111.9 g          |
| Unit of weight                             | G                |
| Customs number                             | 39259020         |
| Country of origin                          | DE               |
| Product description                        | Cable Entry      |
| Colour                                     | Black            |

### Technical data

#### Dimensions

|                             |          |
|-----------------------------|----------|
| Length                      | 153 mm   |
| Length of wall cutout       | 113.5 mm |
| Width                       | 70 mm    |
| Width of wall cutout        | 46 mm    |
| Height                      | 19.6 mm  |
| Installation height         | 19.6 mm  |
| Diameter of the screw holes | 5.5 mm   |

#### Materials

|                           |                                   |
|---------------------------|-----------------------------------|
| Material                  | Polyamide 6.6                     |
| Glass-fibre reinforced    | ✓                                 |
| Flammability class UL 94  | V-0                               |
| Working temperature, min. | -40 °C                            |
| Working temperature, max. | 120 °C                            |
| Sealing material          | Polyurethane-based                |
| Type of seal              | Sealing and moulded flexible foam |
| Halogen-free              | ✓                                 |
| Silicone-free             | ✓                                 |

#### Further technical data

|                             |                             |
|-----------------------------|-----------------------------|
| Mounting type               | Screws                      |
| Degree of protection        | IP66                        |
| NEMA Type                   | 1, 12, 4x (indoor use only) |
| Number of screw holes       | 4                           |
| Fixing screws               | M 5 (ISO 4762 / DIN 912)    |
| Torque of the fixing screws | 3 Nm                        |

#### Environmental Product Compliance

|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

Approvals

cUL Recognized

|                 |                 |
|-----------------|-----------------|
| cUL approval    | C22.2 No. 14-18 |
| cUL File Number | E489821         |
| cUL Recognized  | 1               |

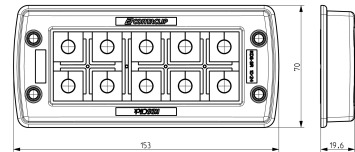
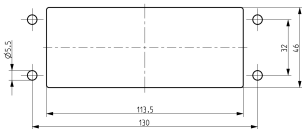
UL Recognized

|                |                             |
|----------------|-----------------------------|
| UL approval    | UL 508A                     |
| UL File Number | E489821                     |
| UL Recognized  | 1                           |
| UL Type Rating | 1, 12, 4x (indoor use only) |

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

#### Sealing plugs



Sealing plugs for the mounting holes of the KDS-SR screw frames, Material: TPE, Colour: black

| Article number          | Article name | GTIN (EAN)    | Packaging unit |
|-------------------------|--------------|---------------|----------------|
| <a href="#">28779.4</a> | KDS-VS-SR BK | 4044211242602 | 100 ST         |

#### Big Seals



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 20 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28540.4</a> | KDS-DEG 19-20 BK | 4044211215354 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 33 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28601.4</a> | KDS-DEG 32-33 BK | 4044211215613 | 10 ST          |



Seal dummy, Mounting type: Plug in, Length x width: 42.8 mm, IP 66, Colour: Black

| Article number          | Article name | GTIN (EAN)    | Packaging unit |
|-------------------------|--------------|---------------|----------------|
| <a href="#">28534.4</a> | KDS-DEG/B BK | 4044211215255 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 15 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28535.4</a> | KDS-DEG 14-15 BK | 4044211209995 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 16 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28536.4</u> | KDS-DEG 15-16 BK | 4044211215279 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 17 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28537.4</u> | KDS-DEG 16-17 BK | 4044211215293 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 18 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28538.4</u> | KDS-DEG 17-18 BK | 4044211215316 | 10 ST          |



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

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28544.4</u> | KDS-DEG 23-24 BK | 4044211215439 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 20 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28581.6</u> | KDS-DEG 19-20 GR | 4044211215347 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 21 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28582.6</u> | KDS-DEG 20-21 GR | 4044211215361 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 22 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28583.6</u> | KDS-DEG 21-22 GR | 4044211215385 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 23 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28584.6</u> | KDS-DEG 22-23 GR | 4044211215408 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 25 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28545.4</u> | KDS-DEG 24-25 BK | 4044211215453 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 26 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28546.4</u> | KDS-DEG 25-26 BK | 4044211215460 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 27 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28547.4</u> | KDS-DEG 26-27 BK | 4044211215491 | 10 ST          |

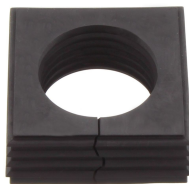


Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 28 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28548.4</u> | KDS-DEG 27-28 BK | 4044211215514 | 10 ST          |

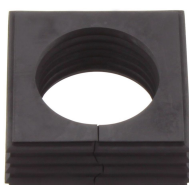
## 28605.4 KDS-Set 10/24 BK

### Big Seals



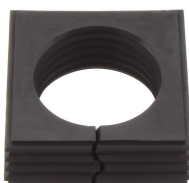
Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 29 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28549.4</u> | KDS-DEG 28-29 BK | 4044211215538 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 30 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28550.4</u> | KDS-DEG 29-30 BK | 4044211215552 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 31 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28551.4</u> | KDS-DEG 30-31 BK | 4044211215576 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 32 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28552.4</u> | KDS-DEG 31-32 BK | 4044211215590 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 18 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28579.6</u> | KDS-DEG 17-18 GR | 4044211215309 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 19 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28580.6</u> | KDS-DEG 18-19 GR | 4044211215323 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



Seal dummy, Mounting type: Plug in, Length x width: 42.8 mm, IP 66, Colour: Grey

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>28575.6</u> | KDS-DEG/B GR | 4044211215248 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 15 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28576.6</u> | KDS-DEG 14-15 GR | 4044211209971 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 16 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28577.6</u> | KDS-DEG 15-16 GR | 4044211215262 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 17 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28578.6</u> | KDS-DEG 16-17 GR | 4044211215286 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 32 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28593.6</u> | KDS-DEG 31-32 GR | 4044211215583 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 33 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28594.6</u> | KDS-DEG 32-33 GR | 4044211215606 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 34 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28730.4</a> | KDS-DEG 33-34 BK | 4044211220969 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 34 mm, IP 66, Colour: Grey

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28731.6</a> | KDS-DEG 33-34 GR | 4044211220976 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 35 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28732.4</a> | KDS-DEG 34-35 BK | 4044211220983 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 35 mm, IP 66, Colour: Grey

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28733.6</a> | KDS-DEG 34-35 GR | 4044211220990 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 23 mm, IP 66, Colour: Black

| Article number          | Article name     | GTIN (EAN)    | Packaging unit |
|-------------------------|------------------|---------------|----------------|
| <a href="#">28543.4</a> | KDS-DEG 22-23 BK | 4044211215415 | 10 ST          |



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

| Article number          | Article name      | GTIN (EAN)    | Packaging unit |
|-------------------------|-------------------|---------------|----------------|
| <a href="#">28554.4</a> | KDS-DEG/K 7-24 BK | 4044211216108 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



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

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28585.6</u> | KDS-DEG 23-24 GR | 4044211215422 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 25 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28586.6</u> | KDS-DEG 24-25 GR | 4044211215446 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 26 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28587.6</u> | KDS-DEG 25-26 GR | 4044211215477 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 27 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28588.6</u> | KDS-DEG 26-27 GR | 4044211215484 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 28 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28589.6</u> | KDS-DEG 27-28 GR | 4044211215507 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 29 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28590.6</u> | KDS-DEG 28-29 GR | 4044211215521 | 10 ST          |

## 28605.4 KDS-Set 10/24 BK

### Big Seals



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 30 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28591.6</u> | KDS-DEG 29-30 GR | 4044211215545 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 31 mm, IP 66, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28592.6</u> | KDS-DEG 30-31 GR | 4044211215569 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 19 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28539.4</u> | KDS-DEG 18-19 BK | 4044211215330 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 21 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28541.4</u> | KDS-DEG 20-21 BK | 4044211215378 | 10 ST          |



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 22 mm, IP 66, Colour: Black

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28542.4</u> | KDS-DEG 21-22 BK | 4044211215392 | 10 ST          |

### Actuating tool

## 28605.4 KDS-Set 10/24 BK



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 |
|----------------|--------------|---------------|----------------|
| <u>28622.0</u> | KDS BW 1     | 4044211216597 | 1 ST           |

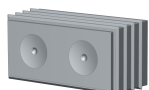
### EMC brackets



Shield-connection rail enabling mounting of shield connection clips directly on cable entry system KDS and KES, Mounting type: Screw, Length: 35,3 mm, Width: 140 mm, Height: 16 mm, Profile: 10x3 mm

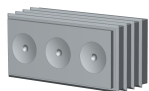
| Article number | Article name      | GTIN (EAN)    | Packaging unit |
|----------------|-------------------|---------------|----------------|
| <u>28626.0</u> | KDS-EMV-SAB 10/24 | 4044211219659 | 1 ST           |

### DES seals



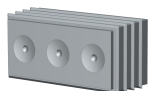
Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name      | GTIN (EAN)    | Packaging unit |
|----------------|-------------------|---------------|----------------|
| <u>28800.6</u> | KDS-DES 2X10,5 GR | 4044211227616 | 5 ST           |



Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28801.6</u> | KDS-DES 3X9,5 GR | 4044211227623 | 5 ST           |



Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28802.6</u> | KDS-DES 3X8,5 GR | 4044211227630 | 5 ST           |

## 28605.4 KDS-Set 10/24 BK

### DES seals



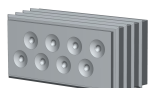
Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28803.6</u> | KDS-DES 4X7,5 GR | 4044211233815 | 5 ST           |



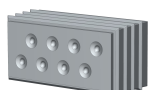
Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28804.6</u> | KDS-DES 7X6,5 GR | 4044211233839 | 5 ST           |



Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28805.6</u> | KDS-DES 8X5,5 GR | 4044211233822 | 5 ST           |



Seal, Mounting type: Plug in, Length 42.7 mm, Width: 20.3 mm, IP54, Colour: Grey

| Article number | Article name     | GTIN (EAN)    | Packaging unit |
|----------------|------------------|---------------|----------------|
| <u>28806.6</u> | KDS-DES 8X4,5 GR | 4044211233846 | 5 ST           |

### Sheet-metal puncher



Sheet-metal puncher

| Article number | Article name    | GTIN (EAN)    | Packaging unit |
|----------------|-----------------|---------------|----------------|
| <u>28677.0</u> | BL KDS-SR 10/24 | 4044211217471 | 1 ST           |



Sheet metal punch for rectangular openings, Dimensions opening: 130 x 46 mm, Maximum wall thickness: 2.0 mm for stainless steel sheet, Material: steel

| Article number | Article name       | GTIN (EAN)    | Packaging unit |
|----------------|--------------------|---------------|----------------|
| <u>28686.0</u> | BL-VA KDS-SR 10/24 | 4044211218812 | 1 ST           |