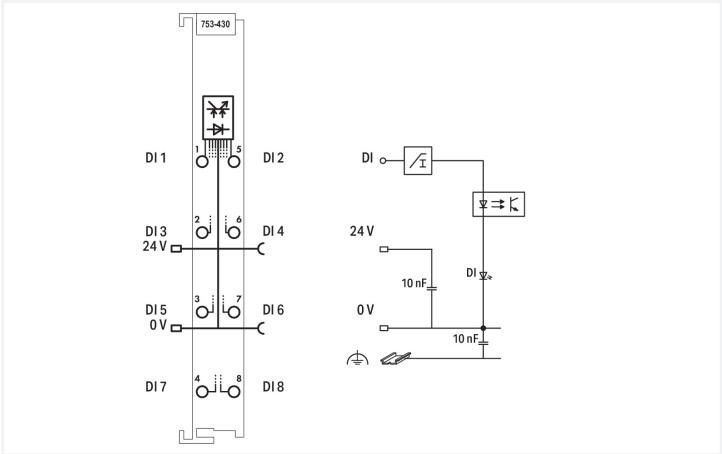
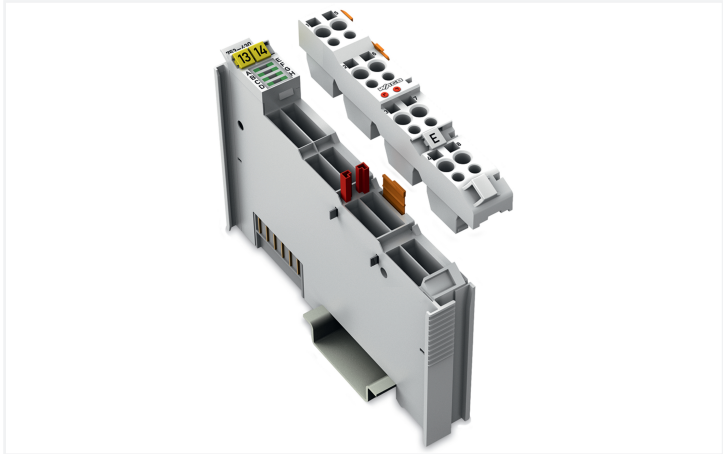
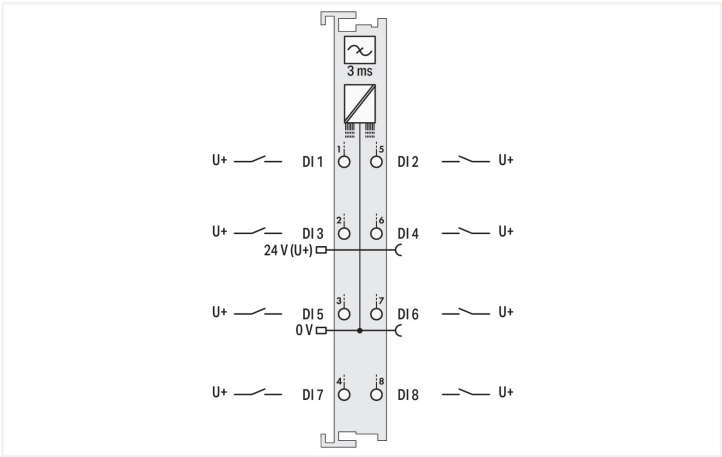
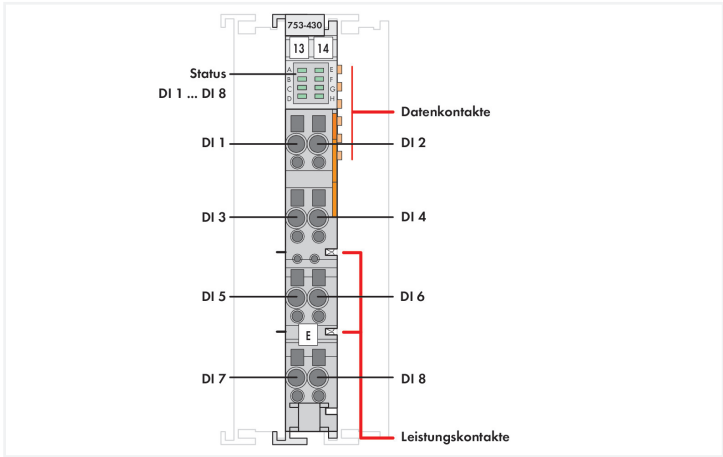




Color: ■ light gray



This digital input module features eight channels in a width of just 12 mm (0.47 inch). It receives control signals from digital field devices (e.g., sensors). Each input module has a noise-rejection filter. Field and system levels are electrically isolated.

| Notes |                                                                        |
|-------|------------------------------------------------------------------------|
| Note  | Pluggable connectors and coding fingers (753 Series) are not included. |

| Technical data                                |                     |
|-----------------------------------------------|---------------------|
| Number of digital inputs                      | 8                   |
| Total number of channels (module)             | 8                   |
| Signal type                                   | Digital             |
| Signal type (voltage)                         | 24 VDC              |
| Sensor connection                             | 8 x (1-wire)        |
| Input characteristic                          | high-side switching |
| Input filter                                  | 3 ms                |
| Input current per channel for signal (1) typ. | 2.8 mA              |
| Voltage range for signal (0)                  | -3 ... +5 VDC       |
| Voltage range for signal (1)                  | 15 ... 30 VDC       |
| Input data width (internal) max.              | 8 bits              |

### Technical data

|                                                   |                                                                                                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply voltage (system)                           | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (system supply)               | 17 mA                                                                                                                                                |
| Supply voltage (field)                            | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (field side supply voltage only) via spring contact) |
| Isolation                                         | 500 V system/field                                                                                                                                   |
| Indicators                                        | LED (A-D) green: Status DI 1, DI 3, DI 5, DI 7; LED (E-H) green: Status DI 2, DI 4, DI 6, DI 8                                                       |
| Number of incoming power jumper contacts          | 2                                                                                                                                                    |
| Number of outgoing power jumper contacts          | 2                                                                                                                                                    |
| Current carrying capacity (power jumper contacts) | 10 A                                                                                                                                                 |

### Connection Data

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Connection technology: I/O      | 8 x CAGE CLAMP® (inputs)                     |
| Connectable conductor materials | Copper                                       |
| Connection type                 | Input                                        |
| Solid conductor                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor         | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                    | 9 ... 10 mm / 0.35 ... 0.39 inches           |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 12 mm / 0.472 inches   |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 69 mm / 2.717 inches   |
| Depth from upper-edge of DIN-rail | 61.8 mm / 2.433 inches |

### Mechanical data

|                     |             |
|---------------------|-------------|
| Mounting type       | DIN-35 rail |
| Pluggable connector | pluggable   |

### Material data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.969 MJ                     |
| Weight             | 38.5 g                       |
| Conformity marking | CE                           |

### Environmental requirements

|                                                                                    |                                                                                                        |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                           |
| Ambient temperature (storage)                                                      | -40 ... +85 °C                                                                                         |
| Protection type                                                                    | IP20                                                                                                   |
| Pollution degree                                                                   | 2 per IEC 61131-2                                                                                      |
| Operating altitude                                                                 | 0 ... 2000 m / 0 ... 6562 ft                                                                           |
| Mounting position                                                                  | Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom |
| Relative humidity (without condensation)                                           | 95 %                                                                                                   |
| Vibration resistance                                                               | 4g per IEC 60068-2-6                                                                                   |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                                                                                 |
| EMC immunity to interference                                                       | per EN 61000-6-2, marine applications                                                                  |
| EMC emission of interference                                                       | per EN 61000-6-4, marine applications                                                                  |
| Exposure to pollutants                                                             | per IEC 60068-2-42 and IEC 60068-2-43                                                                  |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                                                                                 |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                                                                                 |



| Commercial data       |                 |
|-----------------------|-----------------|
| Product Group         | 15 (I/O System) |
| PU (SPU)              | 1 pcs           |
| Packaging type        | Box             |
| Country of origin     | DE              |
| GTIN                  | 4045454394431   |
| Customs tariff number | 85176200000     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32151705             |
| eCl@ss 10.0            | 27-24-26-04          |
| eCl@ss 9.0             | 27-24-26-04          |
| ETIM 9.0               | EC001599             |
| ETIM 10.0              | EC001599             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                           |
|-------------------------------------------|-------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1       |
| REACH Candidate List Substance            | Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status                    | Compliant,With Exemption                  |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II         |
| SCIP notification number (Austria)        | 2598ae59-da6d-4984-842e-42555412fab8      |
| SCIP notification number (Belgium)        | 770bdfd3-7f97-426e-919f-6c9696ad5ba2      |
| SCIP notification number (Bulgaria)       | cb2ea97b-ac58-4bf4-b2d4-92d740bd29cd      |
| SCIP notification number (Czech Republic) | 10696aea-588a-4864-b5d2-b596276ebea2      |
| SCIP notification number (Denmark)        | a4defa12-8e51-48a4-ab36-ce6ecd76ff03      |
| SCIP notification number (Finland)        | e424ac52-d09d-4539-82d9-f4cf1b155ffc      |
| SCIP notification number (France)         | 3d1be7f0-e27a-493b-9d8f-71695a6135d6      |
| SCIP notification number (Germany)        | 391c7396-8800-49ad-8a95-fc77de42418d      |
| SCIP notification number (Hungary)        | a82e674e-efbd-4244-a638-c4af8d7418ea      |
| SCIP notification number (Italy)          | 7193e156-0ac5-4fa9-8e1f-0b1575872d4a      |
| SCIP notification number (Netherlands)    | ea643010-6f54-4853-a808-78e11866ed53      |
| SCIP notification number (Poland)         | cda49a0b-cdce-4e5f-80fb-1076bc26d9c9      |
| SCIP notification number (Romania)        | 03cb367b-454c-4223-bf3e-3ec06abb48e3      |
| SCIP notification number (Sweden)         | 49c69f77-6b2b-4c8f-8e61-80fad4efd90e      |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | General approvals                                                             |
|    |                        | UL 508 E175199<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCA-<br>TIONS) |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                                              |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                                 | TP TC 020/2011         | EAC CoC 03083                                                                 |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                                    | Article 58-2, Clause 3 | MSIP-REM-W43-DIM750                                                           |



Declarations of conformity and manufacturer's declarations

| Approval                                           | Standard | Certificate Name |
|----------------------------------------------------|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                                               | Standard             | Certificate Name  |
|--------------------------------------------------------|----------------------|-------------------|
| ABS<br>American Bureau of Shipping                     | -                    | 25-0415412        |
| BSH<br>Bundesamt fuer Seeschiff-fahrt und Hydrographie | -                    | 1104              |
| BV<br>Bureau Veritas S.A.                              | -                    | 13453/E0 BV       |
| DNV<br>DNV GL SE                                       | DNV-CG-0339,Aug.2021 | TAA0000194        |
| KR<br>Korean Register of Shipping                      | -                    | KR HMB05880-AC001 |
| LR<br>Lloyds Register EMEA                             | -                    | LR22180952TA      |
| PRS<br>Polski Rejestr Statków                          | -                    | TE/1101/880590/23 |
| RINA<br>RINA Germany GmbH                              | -                    | ELE343521XG001    |

Approvals for hazardous areas



| Approval                                                   | Standard    | Certificate Name                           |
|------------------------------------------------------------|-------------|--------------------------------------------|
| ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0  | TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                         | CNCA-C23-01 | 2020312310000213 (Ex ec IIC T4 Gc)         |
| IECEX<br>TUEV Nord Cert GmbH                               | IEC 60079-0 | IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)      |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                   | IEC 60079-0 | TÜV 12.1297 X                              |
| UKEx<br>WAGO GmbH & Co. KG                                 | EN 60079-0  | UKCA_WA<br>GO22UKEX003X_ec                 |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201   | E198726                                    |



|                                          |                   |
|------------------------------------------|-------------------|
| Downloads                                |                   |
| Environmental Product Compliance         |                   |
| Compliance Search                        |                   |
| Environmental Product Compliance 753-430 | <a href="#">↓</a> |

|                                                               |                                                                       |
|---------------------------------------------------------------|-----------------------------------------------------------------------|
| Documentation                                                 |                                                                       |
| Manual                                                        | System Description                                                    |
| Product Manual 8-channel, 24VDC, 3.0ms V 1.2.0 pdf 2198.28 KB | 750/753 Series I/O-System – General Product Information pdf 953.35 KB |
| System Manual Series 750/753                                  | Overview on WAGO-I/O-SYSTEM 750 approvals pdf 770.48 KB               |

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Bid Text                        | Instruction Leaflet                                      |
| 753-430 19.02.2019 xml 4.20 KB  | CCC Ex (Additional information) 26.04.2023 pdf 159.76 KB |
| 753-430 13.07.2017 doc 26.00 KB |                                                          |

|                      |                           |
|----------------------|---------------------------|
| CAD/CAE-Data         |                           |
| CAD data             | CAE data                  |
| 2D/3D Models 753-430 | EPLAN Data Portal 753-430 |
|                      | WSCAD Universe 753-430    |
|                      | ZUKEN Portal 753-430      |

|                             |
|-----------------------------|
| 1 Compatible Products       |
| 1.1 Required Accessories    |
| 1.1.1 Pluggable connector   |
| 1.1.1.1 Male connector/plug |



Item No.: [753-110](#)  
Plug



1.2 Optional Accessories

1.2.1 Cables and connectors

1.2.1.1 System cable



**Item No.: 706-7753/301-200**  
System cable; for WAGO-I/O-SYSTEM, 753 Series; 2 x 16 digital inputs or outputs; Length: 2 m; Conductor cross-section: 0.14 mm<sup>2</sup>



**Item No.: 706-7753/300-100**  
System cable; for WAGO-I/O-SYSTEM, 753 Series; 8 digital inputs or outputs; Length: 1 m; Conductor cross-section: 0.14 mm<sup>2</sup>

1.2.2 DIN-rail

1.2.2.1 Mounting accessories



**Item No.: 210-196**  
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



**Item No.: 210-198**  
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored



**Item No.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored



**Item No.: 210-114**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



**Item No.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



**Item No.: 210-112**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; "Hole width 25 mm; silver-colored



**Item No.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored

1.2.3 Interface module

1.2.3.1 Interface module



**Item No.: 704-2003**  
Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 10-pole; 8-channel digital input or output; 3-wire connection; in mounting carrier



**Item No.: 704-2004**  
Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 1-wire connection; in mounting carrier



**Item No.: 704-2024**  
Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 2-wire connection; in mounting carrier



**Item No.: 704-2044**  
Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 2-wire connection; in mounting carrier



**Item No.: 704-2054**  
Interface module for system wiring; Pluggable connector per DIN 41651; Male connector; 20-pole; 16-channel digital input or output; 3-wire connection; in mounting carrier



**Item No.: 289-611**  
Interface module; Pluggable connector per DIN 41651; 10-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>



**Item No.: 289-614**  
Interface module; Pluggable connector per DIN 41651; 20-pole; Triple-deck PCB terminal blocks; in mounting carrier; 2,50 mm<sup>2</sup>

1.2.4 Marking

1.2.4.1 Group marker carrier



Item No.: 750-107  
Group marker carrier

1.2.4.2 Marker



Item No.: 2009-145/000-006  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-145/000-007  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-145/000-023  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-145/000-012  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-145/000-005  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 2009-145/000-024  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-145  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-145/000-002  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 248-501/000-006  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-005  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 248-501/000-024  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 248-501  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.2.4.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.2.5 Pluggable connector

1.2.5.1 Coding



Item No.: 753-150  
753 Series coding elements

## 1.2.6 Shield termination

### 1.2.6.1 Shield clamping saddles



**Item No.: 790-108**

Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



**Item No.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



**Item No.: 790-116**

Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



**Item No.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



**Item No.: 790-124**

Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



**Item No.: 790-220**

Shield clamping saddle; 30 mm wide; 20 mm



**Item No.: 790-140**

Shield clamping saddle; diameter of compatible conductor

## 1.2.7 Supply module

### 1.2.7.1 Supply module



**Item No.: 750-612**

Power Supply; 0 ... 230 V AC/DC



**Item No.: 753-612**

Power Supply; 0 ... 230 V AC/DC



**Item No.: 750-602**

Power Supply; 24 VDC



**Item No.: 753-602**

Power Supply; 24 VDC



**Item No.: 750-601**

Power Supply; 24 VDC; fuse holder



**Item No.: 750-610**

Power Supply; 24 VDC; fuse holder; Diagnostics

## 1.2.8 System enclosure

### 1.2.8.1 System enclosure



**Item No.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (160x100x160 mm); 9 x M12, 4 x M20



**Item No.: 850-826**

IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827**

IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-826/002-000**

IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827/002-000**

IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828/002-000**

IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-834**

IP65 enclosure; Polyester (RAL 7032); Wx-HxD (164x100x164 mm); 9 x M12, 4 x M20



**Item No.: 850-835**

IP65 enclosure; Polyester (RAL 7032); Wx-HxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-836**

IP65 enclosure; Polyester (RAL 7032); Wx-HxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (200x120x200 mm); without flange plate



**Item No.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (300x120x200 mm); without flange plate



**Item No.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (400x120x200 mm); without flange plate



**Item No.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (600x120x200 mm); without flange plate