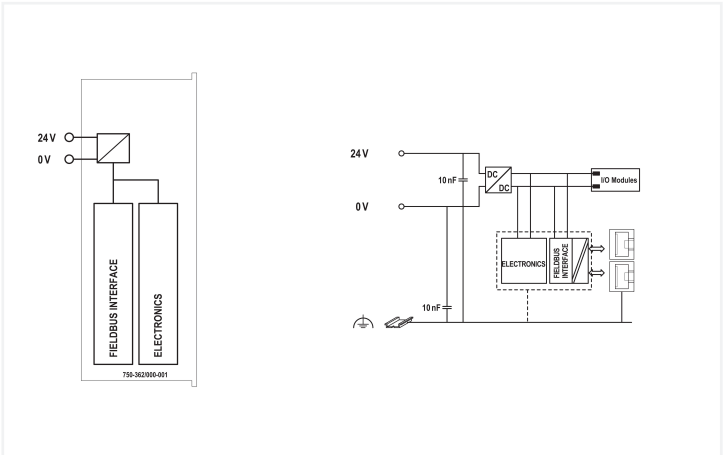
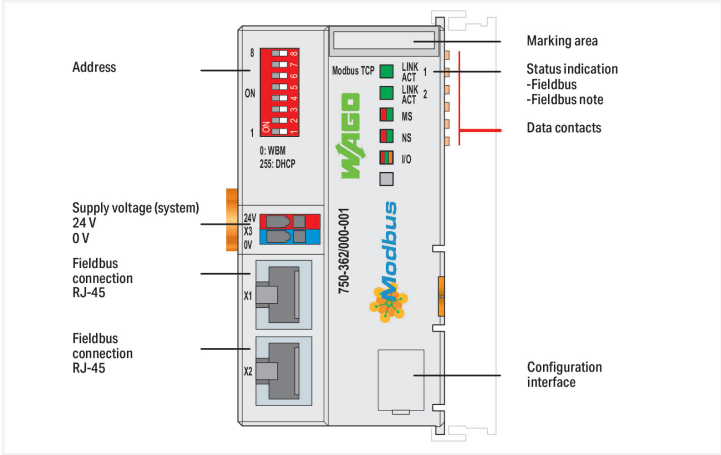




Color: ■ light gray

Similar to illustration



The 750-362 Modbus TCP/UDP Fieldbus Coupler connects ETHERNET to the modular WAGO I/O System.

The fieldbus coupler detects all connected I/O modules and creates a local process image.

Two ETHERNET interfaces and an integrated switch allow the fieldbus to be wired in a line topology, eliminating additional network devices, such as switches or hubs.

Both interfaces support autonegotiation and Auto-MDI(X).

The DIP switch configures the last byte of the IP address and may be used for IP address assignment (DHCP, BootP, static).

BootP is preset for the 750-362/000-001 variant.

The coupler is designed for fieldbus communication in MODBUS networks.

It also supports a wide variety of standard ETHERNET protocols (e.g., HTTP(S), BootP, DHCP, DNS, SNMP, (S)FTP). An integrated Webserver provides user configuration options, while displaying the coupler's status information.

The system supply is provided directly by the coupler. The field supply is provided via a separate supply module.

| Technical data                               |                                                               |
|----------------------------------------------|---------------------------------------------------------------|
| Communications                               | Modbus (TCP, UDP)                                             |
| ETHERNET protocols                           | HTTP(S)<br>BootP<br>DHCP<br>DNS<br>SNTP<br>FTP(S)<br>SNMP     |
| Transmission rate                            | 10/100 Mbit/s                                                 |
| Transmission medium (communication/fieldbus) | Twisted pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length |
| Transmission performance                     | Class D per EN 50173                                          |
| Number of modules per node (max.)            | 250                                                           |

### Technical data

|                                                       |                                                                                                                                                                   |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of modules without a bus extension (max.)      | 64                                                                                                                                                                |
| Input and output process image (fieldbus) max.        | 1020 words/1020 words                                                                                                                                             |
| Supply voltage (system)                               | 24 VDC (-25 ... +30 %); via pluggable connector                                                                                                                   |
| Current consumption (5 V system supply)               | 350 mA                                                                                                                                                            |
| Total current (system supply)                         | 700 mA                                                                                                                                                            |
| Input current (typ.) at nominal load (24 V)           | 280 mA                                                                                                                                                            |
| Power supply efficiency (typ.) at nominal load (24 V) | 90 %                                                                                                                                                              |
| Isolation                                             | 500 V system/field                                                                                                                                                |
| Indicators                                            | LED (LINK/ACT) green: Network connection via ports 1 ... 2; LED (MS, NS) red/green: Status of node, network; LED (I/O) red/green/orange: Status of local data bus |

### Connection data

|                                               |                                   |
|-----------------------------------------------|-----------------------------------|
| Connection technology: communication/fieldbus | Modbus (TCP, UDP): 2 x RJ-45      |
| Connection technology: system supply          | 2 x CAGE CLAMP®                   |
| Connectable conductor materials               | Copper                            |
| Connection type 1                             | System supply                     |
| Solid conductor                               | 0.08 ... 2.5 mm² / 28 ... 14 AWG  |
| Fine-stranded conductor                       | 0.08 ... 2.5 mm² / 28 ... 14 AWG  |
| Strip length                                  | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Connection technology: device configuration   | 1 x Male connector; 4-pole        |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 49.5 mm / 1.949 inches |
| Height                            | 96.8 mm / 3.811 inches |
| Depth                             | 71.9 mm / 2.831 inches |
| Depth from upper-edge of DIN-rail | 64.7 mm / 2.547 inches |

### Mechanical data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

### Material data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 1.439 MJ                     |
| Weight             | 104.8 g                      |
| Conformity marking | CE                           |

### Environmental requirements

|                                                                                    |                                                                                                        |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                           |
| Ambient temperature (storage)                                                      | -25 ... +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 61000-6-3, 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                                                                                                 |



Environmental requirements

|                                                                                   |        |
|-----------------------------------------------------------------------------------|--------|
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 % | 25 ppm |
|-----------------------------------------------------------------------------------|--------|

Commercial data

|                       |             |
|-----------------------|-------------|
| ETIM 9.0              | EC001603    |
| ETIM 8.0              | EC001603    |
| PU (SPU)              | 1 pcs       |
| Packaging type        | Box         |
| Country of origin     | DE          |
| Customs tariff number | 85176200000 |

Environmental Product Compliance

|                                           |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1<br>79-94-7                                                |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>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)        | cf97891c-5bfd-43c7-a5e7-4e12d625cf23                                                          |
| SCIP notification number (Belgium)        | dfca27de-a878-4bb6-a74b-7b415a438c53                                                          |
| SCIP notification number (Bulgaria)       | 7328bc2a-c313-42ae-8ee6-11ecf540e557                                                          |
| SCIP notification number (Czech Republic) | 35a34d71-55f8-4e85-978a-cfe2e3a172d4                                                          |
| SCIP notification number (Denmark)        | 8765fa6f-e424-4eb0-82c4-029c67879b17                                                          |
| SCIP notification number (Finland)        | 7e978a14-a1cb-4beb-b1aa-a059131da1fc                                                          |
| SCIP notification number (France)         | f02d02a2-3c86-4c90-9543-08a4ac3706f0                                                          |
| SCIP notification number (Germany)        | 9b5e719b-a8bd-434d-8b61-dcfe55acb89a                                                          |
| SCIP notification number (Hungary)        | d5b0532a-4b55-4d3c-a121-5103e16835b4                                                          |
| SCIP notification number (Italy)          | c5e147fa-1f35-402a-9165-ef67721f218b                                                          |
| SCIP notification number (Netherlands)    | cea8549d-61f2-4810-8bf2-f6d0abded294                                                          |
| SCIP notification number (Poland)         | c21bd130-bddb-452f-92fb-f1a5009c6c5c                                                          |
| SCIP notification number (Romania)        | 9a5ff975-f40c-46a4-8927-7d0050dd77a7                                                          |
| SCIP notification number (Sweden)         | 44ba4b29-4c43-4f9b-8993-218611051ec0                                                          |

Approvals / Certificates

| General approvals                                                                  |                |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|------------------------------------------------------------------------------------|----------------|------------------|------------------------------------------------------------|----------|------------------|
|  |                |                  |                                                            |          |                  |
| Approval                                                                           | Standard       | Certificate Name | Approval                                                   | Standard | Certificate Name |
| EAC<br>GZO Almaty Standart                                                         | TP TC 020/2011 | EAC CoC 03083    | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS)                  | -              | E175199          | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |



Approvals for marine applications



| Approval                      | Standard               | Certificate Name  |
|-------------------------------|------------------------|-------------------|
| DNV<br>DNV GL SE              | DNV-CG-0339, Aug. 2021 | TAA0000194        |
| PRS<br>Polski Rejestr Statków | -                      | TE/1101/880590/23 |

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 GO22UKEX003X_ec                    |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201   | E198726                                    |

Downloads

Environmental Product Compliance

| Compliance Search                                   |
|-----------------------------------------------------|
| Environmental Product Compliance<br>750-362/000-001 |

Documentation

| Manual                                                                                    |
|-------------------------------------------------------------------------------------------|
| Product Manual Field-bus Coupler Modbus TCP<br>V 1.1.1<br>25.05.2022<br>pdf<br>4125.36 KB |

| System Description                                                          |
|-----------------------------------------------------------------------------|
| 750/753 Series I/O-System – General Product Information<br>pdf<br>953.35 KB |
| Overview on WAGO-I/O-SYSTEM 750 approvals<br>pdf<br>770.48 KB               |

| Bid Text                            |
|-------------------------------------|
| 750-362/000-001<br>docx<br>18.45 KB |
| 750-362/000-100<br>xml<br>6.86 KB   |

| Instruction Leaflet                                               |
|-------------------------------------------------------------------|
| CCC Ex (Additional information)<br>26.04.2023<br>pdf<br>159.76 KB |



CAD/CAE-Data

|                                 |
|---------------------------------|
| CAD data                        |
| 2D/3D Models<br>750-362/000-001 |



Engineering-Software

| Configuration and Commissioning Software          |             |             |                                                                                   |
|---------------------------------------------------|-------------|-------------|-----------------------------------------------------------------------------------|
| (759-316) WAGO Ether-<br>net Settings / Serie 750 | 06.18.01.01 | zip         |  |
|                                                   | 02.09.2021  | 26678.54 KB |                                                                                   |



1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



[Item No.: 750-979/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
angled; Code T568A; AWG 22; Strain relief



[Item No.: 750-979/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
angled; Code T568A; AWG 24; Strain relief



[Item No.: 750-979/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
angled; Code T568B; AWG 22; Strain relief



[Item No.: 750-979/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
angled; Code T568B; AWG 24; Strain relief



[Item No.: 750-977/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568A; AWG 22



[Item No.: 750-978/000-011](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568A; AWG 22; Strain relief



[Item No.: 750-977/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568A; AWG 24



[Item No.: 750-978/000-021](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568A; AWG 24; Strain relief



[Item No.: 750-977/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568B; AWG 22



[Item No.: 750-978/000-012](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568B; AWG 22; Strain relief



[Item No.: 750-977/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568B; AWG 24



[Item No.: 750-978/000-022](#)  
Connector ETHERNET; RJ-45; Cat. 6A;  
straight; Code T568B; AWG 24; Strain relief



[Item No.: 750-975](#)  
ETHERNET RJ-45 connector, IP20;  
ETHERNET 10/100 Mbit/s; for field assembly

1.1.2 Communication

1.1.2.1 Communication cable



[Item No.: 750-923](#)  
Configuration cable; USB connector;  
Length: 2.5 m



[Item No.: 750-923/000-001](#)  
Configuration cable; USB connector;  
Length: 5 m



1.1.3 DIN-rail

1.1.3.1 Mounting accessories

|                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored               | <br><b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored         | <br><b>Item No.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; galvanized; similar to EN 60715; silver-colored | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored                     |
| <br><b>Item No.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; galvanized; similar to EN 60715; silver-colored       | <br><b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored            | <br><b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored         | <br><b>Item No.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; "Hole width 18 mm; silver-colored |
| <br><b>Item No.: 210-112</b><br>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 | <br><b>Item No.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; galvanized; according to EN 60715; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored          | <br><b>Item No.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored      |

1.1.4 Marking

1.1.4.1 Marker

|                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | <br><b>Item No.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray    | <br><b>Item No.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | <br><b>Item No.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange  |
| <br><b>Item No.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | <br><b>Item No.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <br><b>Item No.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white        | <br><b>Item No.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow |
| <br><b>Item No.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                 | <br><b>Item No.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <br><b>Item No.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                 | <br><b>Item No.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                             |
| <br><b>Item No.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                               | <br><b>Item No.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <br><b>Item No.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                | <br><b>Item No.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                           |
| <br><b>Item No.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                               |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                            |



1.1.5 Shield termination

1.1.5.1 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; 6 ... 20 mm



**Item No.: 790-140**  
Shield clamping saddle; diameter of compatible conductor

1.1.6 System enclosure

1.1.6.1 System enclosure



**Item No.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20



**Item No.: 850-826**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-826/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-834**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20



**Item No.: 850-835**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-836**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (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); WxHxD (200x120x200 mm); without flange plate



**Item No.: 850-815/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate



**Item No.: 850-816/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate



**Item No.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate