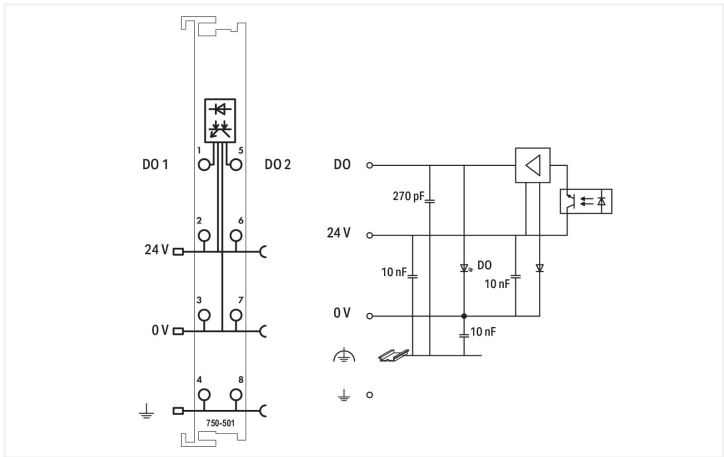
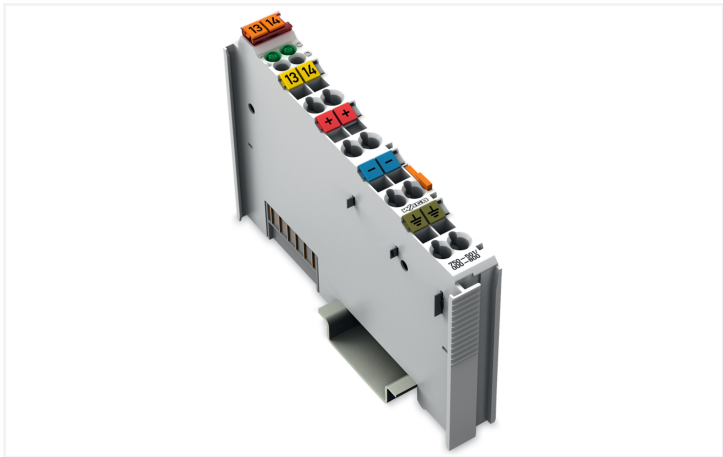
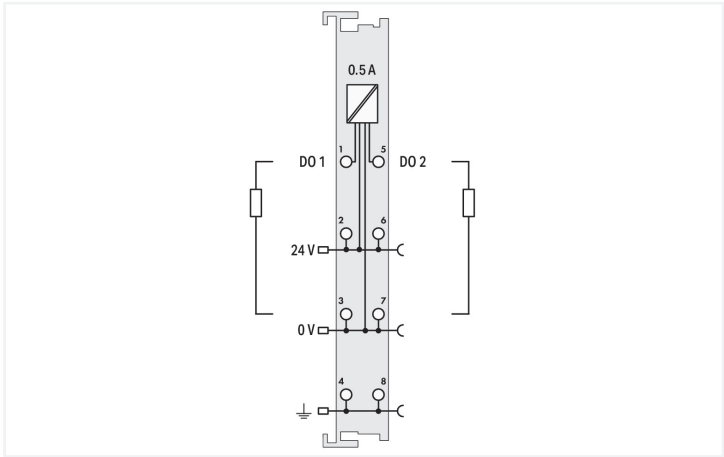
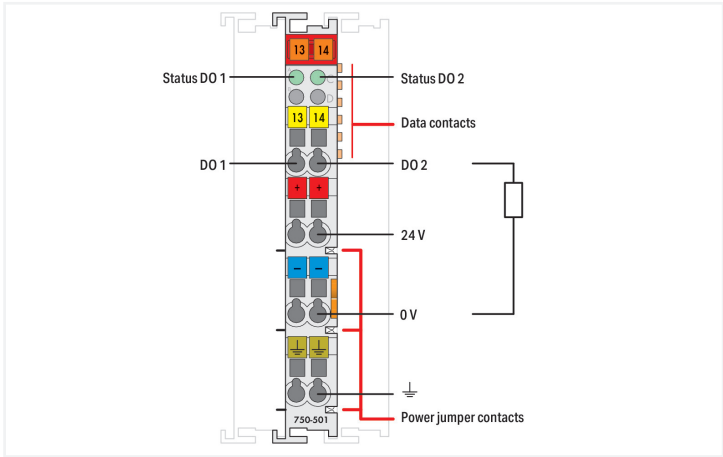




Color: ■ light gray



This digital output module transmits control signals from the automation device to the connected actuators.  
All outputs are short-circuit-protected.  
Field and system levels are electrically isolated.

| Technical data                                      |                                 |
|-----------------------------------------------------|---------------------------------|
| Number of digital outputs                           | 2                               |
| Total number of channels (module)                   | 2                               |
| Signal type                                         | Digital                         |
| Signal type (voltage)                               | 24 VDC                          |
| Actuator connection                                 | 2 x (2-wire, 3-wire, 4-wire)    |
| Output characteristic                               | high-side switching             |
| Output current per channel                          | 0.5 A                           |
| Output current                                      | short-circuit-protected         |
| Load type                                           | Resistive, inductive, lamp load |
| Switching frequency (max.)                          | 5 kHz                           |
| Inductive load switch-off energy dissipation (max.) | 0.5 J                           |
| Output data width (internal) max.                   | 2 bits                          |
| Supply voltage (system)                             | 5 VDC; via data contacts        |
| Current consumption (system supply)                 | 3.5 mA                          |



| Technical data                                                   |                                                                                                                                                      |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) |
| Current consumption, field supply (module with no external load) | 15 mA                                                                                                                                                |
| Isolation                                                        | 500 V system/field                                                                                                                                   |
| Interference-free with safety function                           | Yes                                                                                                                                                  |
| Indicators                                                       | LED (A, C) green: Status DO 1, DO 2                                                                                                                  |
| Number of incoming power jumper contacts                         | 3                                                                                                                                                    |
| Number of outgoing power jumper contacts                         | 3                                                                                                                                                    |
| Current carrying capacity (power jumper contacts)                | 10 A                                                                                                                                                 |

| Connection Data                 |                                              |
|---------------------------------|----------------------------------------------|
| Connection technology: I/O      | 8 x CAGE CLAMP® (outputs)                    |
| Connectable conductor materials | Copper                                       |
| Connection type                 | Output                                       |
| 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                    | 8 ... 9 mm / 0.31 ... 0.35 inches            |

| Physical data                     |                        |
|-----------------------------------|------------------------|
| Width                             | 12 mm / 0.472 inches   |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 69.8 mm / 2.748 inches |
| Depth from upper-edge of DIN-rail | 62.6 mm / 2.465 inches |

| Mechanical data     |             |
|---------------------|-------------|
| Mounting type       | DIN-35 rail |
| Pluggable connector | fixed       |

| Material data      |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 1.28 MJ                      |
| Weight             | 47 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                  | 4045454870492   |
| Customs tariff number | 85371098990     |

| 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>25550-51-0<br>7439-92-1<br>79-94-7                                                                                    |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>4-Methyl-1,2-cyclohexanedicarboxylic anhydride<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)        | f973c451-8580-455e-9676-e6d376dcc67b                                                                                                            |
| SCIP notification number (Belgium)        | 2abab69e-0296-4a84-a0a8-e10df24583b9                                                                                                            |
| SCIP notification number (Bulgaria)       | 8c3bf703-ac4f-4361-8617-f42fda1c9bbe                                                                                                            |
| SCIP notification number (Czech Republic) | ddc41652-87aa-4adf-83ba-816438b7eb74                                                                                                            |
| SCIP notification number (Denmark)        | 66757691-1eab-4671-b67f-515eb0e601f4                                                                                                            |
| SCIP notification number (Finland)        | 24d049f3-15fa-4d69-a170-68c9ccfdd357                                                                                                            |
| SCIP notification number (France)         | d2b454a6-a941-4970-ab83-479b3d824dfb                                                                                                            |
| SCIP notification number (Germany)        | f1000cdb-52fd-4ab5-9199-4226b4343cdf                                                                                                            |
| SCIP notification number (Hungary)        | 6f49ec26-b919-4e1a-b942-279b06624e92                                                                                                            |
| SCIP notification number (Italy)          | a094a9af-d337-4c70-a753-3438cccec1e49                                                                                                           |
| SCIP notification number (Netherlands)    | 02ddb33d-ead3-48d3-a66e-ec93f7ed1adb                                                                                                            |
| SCIP notification number (Poland)         | f13606c1-671d-455d-bff0-b6d946fbf3eb                                                                                                            |
| SCIP notification number (Romania)        | 83f7a5d2-6171-4ce5-95aa-e700d7a4a9e0                                                                                                            |
| SCIP notification number (Sweden)         | fe605857-2d67-4333-85f6-1d3ee925d2ca                                                                                                            |



Approvals / Certificates

General approvals



| Approval                                                  | Standard               | Certificate Name    |
|-----------------------------------------------------------|------------------------|---------------------|
| EAC<br>GZO Almaty Standart                                | TP TC 020/2011         | EAC CoC 03083       |
| KC<br>National Radio Research Agency                      | Article 58-2, Clause 3 | MSIP-REM-W43-DOM750 |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508                 | E175199             |

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.                              | -                    | 30389/C0 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)         |
| 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>750-501/000-800 |





| Documentation                                           |                  |                |                                                         |                          |
|---------------------------------------------------------|------------------|----------------|---------------------------------------------------------|--------------------------|
| Manual                                                  |                  |                | System Description                                      |                          |
| System Manual Series 750/753                            |                  |                | 750/753 Series I/O-System – General Product Information | pdf 953.35 KB            |
| Product Manual 2-channel digital output; 24 VDC; 0.5 A; |                  |                | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf 770.48 KB            |
| 2497759371   8   en-US                                  | 2025-07-25 14:00 | 03.09.2025     |                                                         |                          |
|                                                         |                  | pdf 1360.42 KB |                                                         |                          |
| Bid Text                                                |                  |                | Instruction Leaflet                                     |                          |
| 750-501/000-800                                         | 19.02.2019       | xml 4.35 KB    | CCC Ex (Additional information)                         | 26.04.2023 pdf 159.76 KB |
| 750-501/000-800                                         | 12.07.2017       | doc 28.50 KB   |                                                         |                          |

| CAD/CAE-Data                 |  |  |                                   |  |
|------------------------------|--|--|-----------------------------------|--|
| CAD data                     |  |  | CAE data                          |  |
| 2D/3D Models 750-501/000-800 |  |  | EPLAN Data Portal 750-501/000-800 |  |
|                              |  |  | WSCAD Universe 750-501/000-800    |  |
|                              |  |  | ZUKEN Portal 750-501/000-800      |  |

| Device Files                                       |                    |                |  |  |
|----------------------------------------------------|--------------------|----------------|--|--|
| Device Driver                                      |                    |                |  |  |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0 10.09.2014 | zip 4721.96 KB |  |  |

| 1 Compatible Products        |  |  |  |  |
|------------------------------|--|--|--|--|
| 1.1 Optional Accessories     |  |  |  |  |
| 1.1.1 DIN-rail               |  |  |  |  |
| 1.1.1.1 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; unslotted; 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; unslotted; according to EN 60715; copper-colored                | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; 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; unslotted; 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; unslotted; according to EN 60715; silver-colored   | <br><b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored |                                                                                                                                                                                                                             |

1.1.2 Marking

1.1.2.1 Group marker carrier



**Item No.: 750-106**  
Group marker carrier

1.1.2.2 Marker



**Item No.: 750-100**  
Marker card; as a DIN A4 sheet; plain



**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

1.1.2.3 Marker carrier



**Item No.: 750-103**  
Group marker carrier

1.1.3 Shield termination

1.1.3.1 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



1.1.4 Supply module

1.1.4.1 Supply module



**Item No.: 750-612**  
Power Supply; 0 ... 230 V AC/DC



**Item No.: 750-602**  
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

1.1.5 System enclosure

1.1.5.1 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