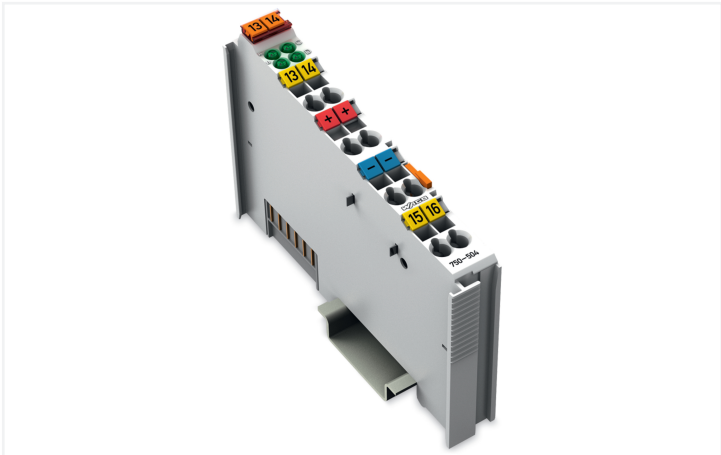
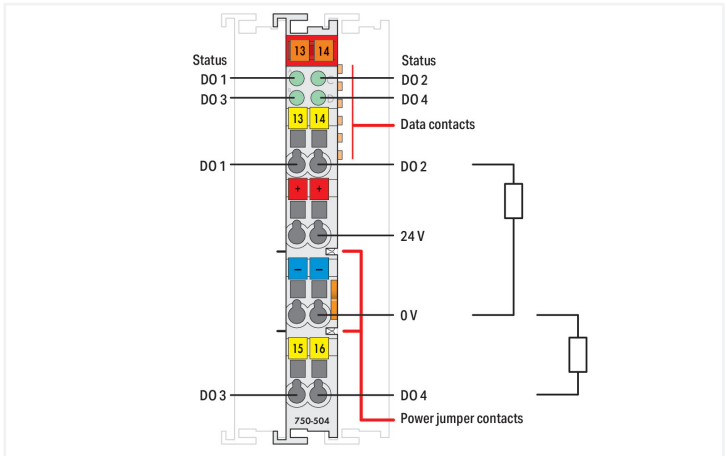
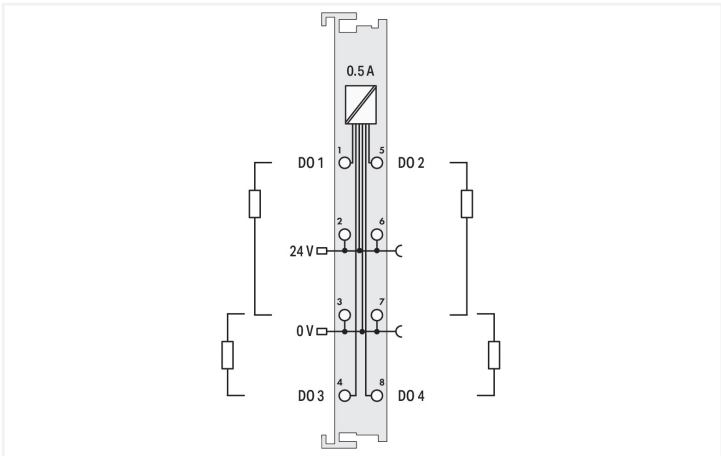
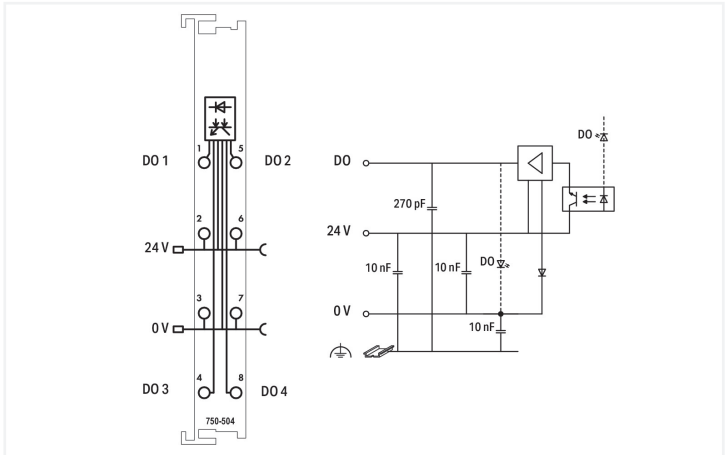




Color: ■ light gray



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                                        | 4                                                                                                                                                    |
| Total number of channels (module)                                | 4                                                                                                                                                    |
| Signal type                                                      | Digital                                                                                                                                              |
| Signal type (voltage)                                            | 24 VDC                                                                                                                                               |
| Actuator connection                                              | 2 x (2-wire, 3-wire); A suitable field side connection module (e.g., 750-614) must also be used to connect other actuators.                          |
| 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.)                                       | 1 kHz                                                                                                                                                |
| Inductive load switch-off energy dissipation (max.)              | 0.3 J                                                                                                                                                |
| Output data width (internal) max.                                | 4 bits                                                                                                                                               |
| Supply voltage (system)                                          | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)                          | 10 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) |
| Current consumption, field supply (module with no external load) | 30 mA                                                                                                                                                |
| Isolation                                                        | 500 V system/field                                                                                                                                   |
| Indicators                                                       | LED (A-D) green: Status DO 1 ... DO 4                                                                                                                |



| Technical data                                    |      |
|---------------------------------------------------|------|
| 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® (outputs)         |
| Connectable conductor materials | Copper                            |
| Connection type                 | Output                            |
| 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 |

| 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          | 1.296 MJ                     |
| Weight             | 48.5 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                  | 4045454582326   |
| 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 8.0               | EC001599             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                                                                                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1<br>75980-60-8                                               |
| REACH Candidate List Substance            | Diboron trioxide<br>Lead<br>Lead monoxide<br>Phosphine oxide, diphenyl(2,4,6-trimethylbenzoyl)- |
| 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)        | 0ee11308-65d0-4709-ae0a-4ec9dc600432                                                            |
| SCIP notification number (Belgium)        | 14e7b44d-4870-4c14-8131-338a06c0b032                                                            |
| SCIP notification number (Bulgaria)       | 3939a382-717e-4ee9-9450-76669c429063                                                            |
| SCIP notification number (Czech Republic) | 7e125eed-20e0-4e26-9b50-8ccb1ae402d                                                             |
| SCIP notification number (Denmark)        | 4b10ba90-ac09-47a2-b00d-bd890606da04                                                            |
| SCIP notification number (Finland)        | ead6c4bc-38bc-416e-90dd-29bb475281df                                                            |
| SCIP notification number (France)         | f4c86837-ca84-4f4a-9b57-cf7f4de16736                                                            |
| SCIP notification number (Germany)        | 824926ea-67ec-4ec2-a75f-d868229e733b                                                            |
| SCIP notification number (Hungary)        | bfa55237-dbba-4ed3-940f-94941b6c0383                                                            |
| SCIP notification number (Italy)          | b04b0fb5-845f-45a0-b680-da0517dc77ac                                                            |
| SCIP notification number (Netherlands)    | c7c3965c-b7ce-46a9-881c-29623e21d381                                                            |
| SCIP notification number (Poland)         | 7cfbaa3a-dddb-4d1f-afda-ec259ebe8729                                                            |
| SCIP notification number (Romania)        | eea1ec1b-8015-4fd1-9b82-c1e020ad0864                                                            |
| SCIP notification number (Sweden)         | 499c6b17-a92e-49ba-90c6-e31793b9dba5                                                            |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | General approvals                                                 |
|    |                        | UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS) |
|                                                                                                                                                                                                                                                            |                        | UL 508                                                            |
|                                                                                                                                                                                                                                                            |                        | E175199                                                           |
| 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-DOM750                                               |



Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



| Approval                                                        | Standard             | Certificate Name  |
|-----------------------------------------------------------------|----------------------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping                         | -                    | 22-2219060        |
| BSH<br>Bundesamt fuer See-<br>schifffahrt und Hydrogra-<br>phie | -                    | 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 Ship-<br>ping                          | -                    | 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<br>3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                                 | CNCA-C23-01 | 2020312310000213 (Ex<br>ec IIC T4 Gc)         |
| INMETRO<br>TÜV Rheinland do Brasil<br>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<br>Inc. (HAZARDOUS LOCA-<br>TIONS) | UL 121201   | E198726                                       |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 750-504 |



| Documentation                         |                                                      |                   |                                                         |                  |
|---------------------------------------|------------------------------------------------------|-------------------|---------------------------------------------------------|------------------|
| Manual                                |                                                      |                   | System Description                                      |                  |
| Product Manual 4-channel, 24VDC, 0.5A | 2492330635   2   en-US   2025-07-01 13:09 03.09.2025 | pdf<br>1009.58 KB | 750/753 Series I/O-System – General Product Information | pdf<br>953.35 KB |
| System Manual Series 750/753          |                                                      |                   | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf<br>770.48 KB |

| Bid Text                |            |                 | Instruction Leaflet             |                  |
|-------------------------|------------|-----------------|---------------------------------|------------------|
| 750-504                 | 19.02.2019 | xml<br>4.09 KB  | CCC Ex (Additional information) | pdf<br>159.76 KB |
| 750-504                 | 12.07.2017 | doc<br>28.50 KB |                                 |                  |
| ausschreiben.de 750-504 |            |                 |                                 |                  |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 750-504 | EPLAN Data Portal 750-504 |
|                      | WSCAD Universe 750-504    |
|                      | ZUKEN Portal 750-504      |

| Device Files                                       |                                            |
|----------------------------------------------------|--------------------------------------------|
| Device Driver                                      |                                            |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>10.09.2014<br>zip<br>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.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; 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; slotted; 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; unslotted; 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; 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.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |



1.1.1.1 Mounting accessories



**Item No.: 210-112**  
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



**Item No.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored



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



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; 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 Potential distribution

1.1.3.1 Potential distribution module



Item No.: 750-614  
Potential Distribution

1.1.4 Shield termination

1.1.4.1 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

1.1.5 Supply module

1.1.5.1 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

1.1.6 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

