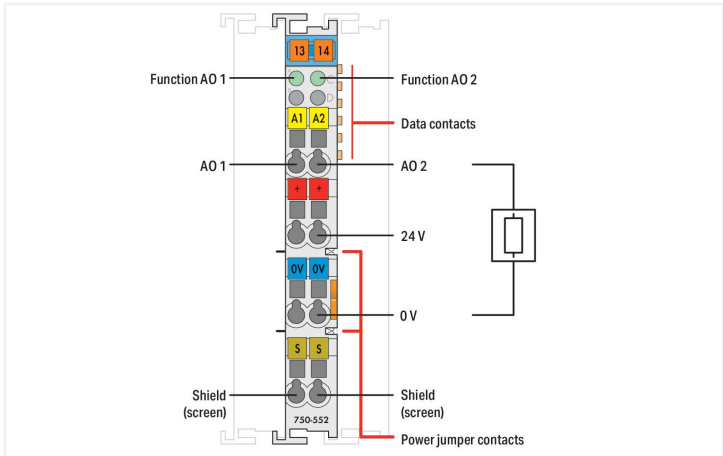
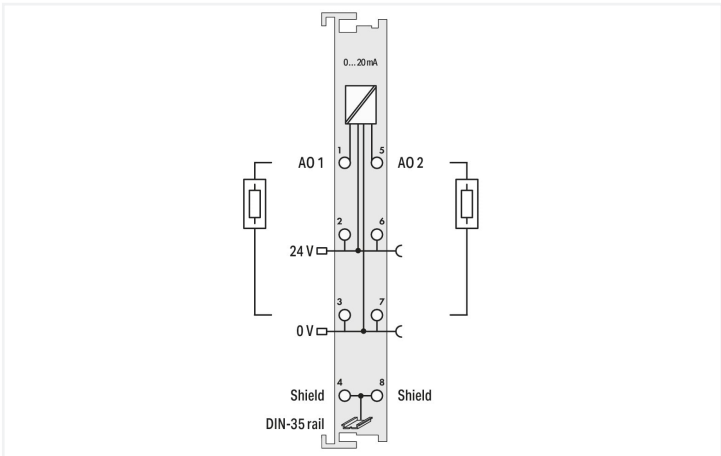
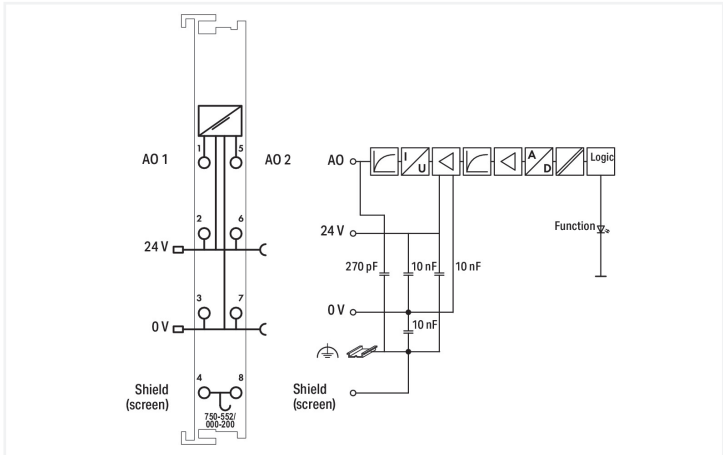




Color: ■ light gray



This analog output module generates standard 0–20 mA signals.  
The output signal is electrically isolated and transmitted with a resolution of 12 bits.  
Power is derived from the field side.

| Technical data                                          |                                                                                                                                                      |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of analog outputs                                | 2                                                                                                                                                    |
| Total number of channels (module)                       | 2                                                                                                                                                    |
| Signal type                                             | Current                                                                                                                                              |
| Signal type (current)                                   | 0 ... 20 mADC                                                                                                                                        |
| Actuator connection                                     | 2 x (2-wire)                                                                                                                                         |
| Resolution [bit]                                        | 12 bits                                                                                                                                              |
| Data width                                              | 2 x 16-bit data; 2 x 8-bit control/status (optional)                                                                                                 |
| Load impedance (current output)                         | ≤ 600 Ω                                                                                                                                              |
| Conversion time (typ.)                                  | 2 ms                                                                                                                                                 |
| Output error, reference temperature                     | 25 °C                                                                                                                                                |
| Output error, deviation (max.) of the upper-range value | 0.1 %                                                                                                                                                |
| Temperature error (max.) of the output range value      | 0.01 %/K                                                                                                                                             |
| Linearity                                               | ±10 µA                                                                                                                                               |
| Supply voltage (system)                                 | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)                 | 70 mA                                                                                                                                                |
| Supply voltage (field)                                  | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact) |
| Isolation                                               | 500 V system/field                                                                                                                                   |
| Indicators                                              | LED (A, C) green: Function AO 1, AO 2                                                                                                                |
| Number of incoming power jumper contacts                | 2                                                                                                                                                    |



Technical data

|                                          |   |
|------------------------------------------|---|
| Number of outgoing power jumper contacts | 2 |
|------------------------------------------|---|

Connection data

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Connection technology: inputs/outputs | 8 x CAGE CLAMP®                   |
| Connection type 1                     | Inputs/outputs                    |
| 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 |
|---------------|-------------|

Material data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 1.028 MJ                     |
| Weight             | 50 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 (standing/lying); vertical |
| 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) |  |
| eCl@ss 10.0           | 27-24-26-01     |  |
| eCl@ss 9.0            | 27-24-26-01     |  |
| ETIM 8.0              | EC001596        |  |
| ETIM 7.0              | EC001596        |  |
| PU (SPU)              | 1 pcs           |  |
| Packaging type        | Box             |  |
| Country of origin     | DE              |  |
| GTIN                  | 4045454393625   |  |
| Customs tariff number | 85389099990     |  |

| Environmental Product Compliance          |                                      |  |
|-------------------------------------------|--------------------------------------|--|
| CAS-No.                                   | 1317-36-8<br>7439-92-1               |  |
| REACH Candidate List Substance            | 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)        | 1b66dc9e-0cfc-415c-bee8-183992fe426d |  |
| SCIP notification number (Belgium)        | 36c85a76-dae8-4355-ad13-8713fcdaa532 |  |
| SCIP notification number (Bulgaria)       | c5582999-f3de-4322-afcd-2492bbcb897c |  |
| SCIP notification number (Czech Republic) | 7a16622e-3968-4d5d-89fe-2c38c9fdceee |  |
| SCIP notification number (Denmark)        | e3ab3fa8-7433-4bd6-a063-1f3fb1dc23a1 |  |
| SCIP notification number (Finland)        | b87ff1e0-0e9f-49d0-8e28-5ee19f15b12d |  |
| SCIP notification number (France)         | cb0e0dd8-d078-4f13-b97a-436156135a55 |  |
| SCIP notification number (Germany)        | 313b80d6-7d78-4a35-9841-45734e5100b4 |  |
| SCIP notification number (Hungary)        | d8576ecd-ceff-4ac4-9ab1-fa98b8ac7775 |  |
| SCIP notification number (Italy)          | ed1c3e5b-42fc-46a6-a077-f945cdc89b3b |  |
| SCIP notification number (Netherlands)    | aadcc603-a499-469e-a8e2-7aa185967a88 |  |
| SCIP notification number (Poland)         | a5f2d109-9a80-4cc6-9163-4520664ccf20 |  |
| SCIP notification number (Romania)        | f0f3fe48-f884-4770-8fec-5921c2842530 |  |
| SCIP notification number (Sweden)         | a1c552b4-7d57-412d-bf1e-f6f83fca3187 |  |

| Approvals / Certificates                                                                                                                                               |                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                                                                                                      |                        | Declarations of conformity and manufacturer's declarations |
|   |                        |                                                            |
| Approval                                                                                                                                                               | Standard               | Certificate Name                                           |
| KC<br>National Radio Research Agency                                                                                                                                   | Article 58-2, Clause 3 | MSIP-REM-W43-AOM750                                        |
| UL<br>UL International Netherlands B.V. (ORDINARY LOCATIONS)                                                                                                           | UL 508                 | E175199 Sec.1                                              |
| 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 3 G Ex ec IIC T4 Gc)           |
| CCCEX<br>CQST/CNEx                                                 | CNCA-C23-01    | 2020312310000213 (Ex ec IIC T4 Gc)                   |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                        | TP TC 012/2011 | EAC RU C-DE.AM02.<br>B.00163/19 (2Ex nA IIC T4 Gc X) |
| 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<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 Sec.1                                        |

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--------------------------------------------------------|
| Environmental Product<br>Compliance<br>750-552/000-200 |

Documentation

| Manual                               |
|--------------------------------------|
| System Manual Series<br>750/753      |
| Product Manual 2-<br>channel, 0-20mA |

| System Description                                               |
|------------------------------------------------------------------|
| 750/753 Series I/O-<br>System – General Pro-<br>duct Information |
| Overview on WAGO-I/<br>O-SYSTEM 750 appro-<br>vals               |

| Bid Text        |
|-----------------|
| 750-552/000-200 |
| 750-552/000-200 |

| Instruction Leaflet                  |
|--------------------------------------|
| CCC Ex (Additional in-<br>formation) |



| CAD/CAE-Data                    |                                      |
|---------------------------------|--------------------------------------|
| CAD data                        | CAE data                             |
| 2D/3D Models<br>750-552/000-200 | EPLAN Data Portal<br>750-552/000-200 |
|                                 | WSCAD Universe<br>750-552/000-200    |
|                                 | ZUKEN Portal<br>750-552/000-200      |

| Device Files                                       |                       |                   |  |
|----------------------------------------------------|-----------------------|-------------------|--|
| Device Driver                                      |                       |                   |  |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>10.09.2014 | 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 |
| <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.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; 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; unslotted; 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; unslotted; galvanized; according to EN 60715; silver-colored      |

| 1.1.2 Marking                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1.1.2.1 Group marker carrier                                                                                                            |
| <br><b>Item No.: 750-106</b><br>Group marker carrier |



1.1.2.2 Marker

|                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                                 | <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                                |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |

1.1.2.3 Marker carrier

|                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 750-103</b><br>Group marker carrier |
|-----------------------------------------------------------------------------------------------------------------------------------------|

1.1.3 Shield termination

1.1.3.1 Shield clamping saddles

|                                                                                                                                                                                                      |                                                                                                                                                                     |                                                                                                                                                                                                      |                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 790-108</b><br>Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm  | <br><b>Item No.: 790-208</b><br>Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm | <br><b>Item No.: 790-116</b><br>Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm | <br><b>Item No.: 790-216</b><br>Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm |
| <br><b>Item No.: 790-124</b><br>Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm | <br><b>Item No.: 790-220</b><br>Shield clamping saddle; 30 mm wide; 6 ... 20 mm  | <br><b>Item No.: 790-140</b><br>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); 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