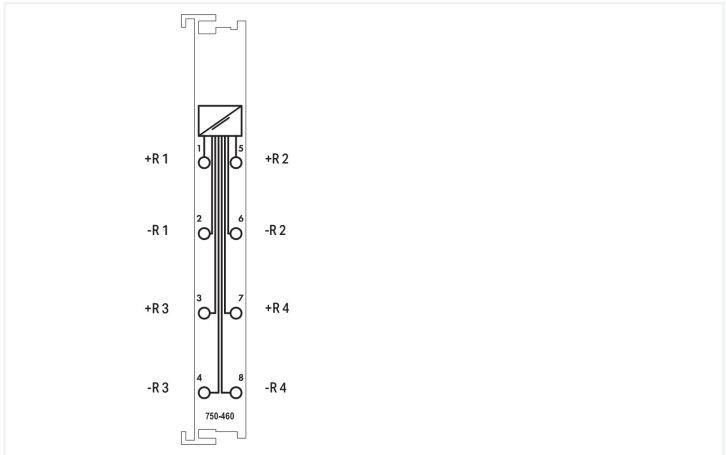
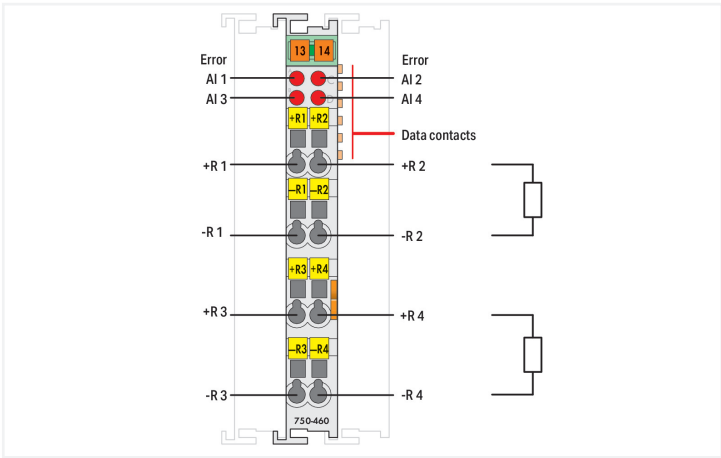




Color: ■ light gray



This analog input module directly connects to Pt resistance sensors.  
Two-wire sensors can be connected.  
The module automatically linearizes the entire temperature range. A sensor error (short circuit, line break or measurement range overflow) is indicated by a red LED.

| Technical data                                                 |                                                      |
|----------------------------------------------------------------|------------------------------------------------------|
| Number of analog inputs                                        | 4                                                    |
| Total number of channels (module)                              | 4                                                    |
| Signal type                                                    | Resistance measurement                               |
| Sensor connection                                              | 4 x (2-wire)                                         |
| Data width                                                     | 4 x 16-bit data; 4 x 8-bit control/status (optional) |
| Resolution (over entire range)                                 | 0.1 °C                                               |
| Conversion time (typ.)                                         | 250 ms                                               |
| Measurement error (reference temperature)                      | 25 °C                                                |
| Measurement error, deviation (max.) from the upper-range value | 0.2 %                                                |
| Temperature error (max.) of the upper-range value              | 0.01 %/K                                             |
| Measuring current (typ.)                                       | 0.5 mA                                               |
| Sensor types                                                   | Pt1000                                               |
| Temperature range                                              | -200 ... +850 °C                                     |
| Supply voltage (system)                                        | 5 VDC; via data contacts                             |
| Current consumption (5 V system supply)                        | 65 mA                                                |
| Isolation                                                      | 500 V system/field                                   |
| Indicators                                                     | LED (A-D) red: Error AI 1 ... AI 4                   |



| Connection data                 |                                   |
|---------------------------------|-----------------------------------|
| Connection technology: I/O      | 8 x CAGE CLAMP®                   |
| Connectable conductor materials | Copper                            |
| Connection type                 | 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 |
| Pluggable connector | fixed       |

| Material data      |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.085 MJ                     |
| Weight             | 51.8 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                                                               | Per IEC 60068-2-6                                                                                      |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                                                                                 |
| EMC immunity to interference                                                       | per EN 61000-6-2                                                                                       |
| EMC emission of interference                                                       | per EN 61000-6-4                                                                                       |
| 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                  | 4045454848958   |
| Customs tariff number | 85389099990     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32151705             |
| eCl@ss 10.0            | 27-24-26-01          |
| eCl@ss 9.0             | 27-24-26-01          |
| ETIM 9.0               | EC001596             |
| ETIM 8.0               | EC001596             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                      |
|-------------------------------------------|--------------------------------------|
| RoHS Compliance Status                    | Compliant, No Exemption              |
| SCIP notification number (Austria)        | bd34ff71-e537-4d33-b7e5-06791feca99c |
| SCIP notification number (Belgium)        | 7784ea10-6dd1-460b-bb12-84d9dae9f8e7 |
| SCIP notification number (Bulgaria)       | 05d68c8e-023b-4aa5-8a04-75389349fb89 |
| SCIP notification number (Czech Republic) | 88c42d5d-4747-4be5-9436-67645a464bed |
| SCIP notification number (Denmark)        | 69ddddeb-e93d-4b17-8ffe-be81d19f4f3f |
| SCIP notification number (Finland)        | 51987e81-b159-45d8-b7f6-3324810a6f48 |
| SCIP notification number (France)         | 47095e2b-87b1-4cfc-bf60-afa29b115251 |
| SCIP notification number (Germany)        | 124d5332-a983-4690-8dc0-5613a670d35c |
| SCIP notification number (Hungary)        | bc4831f9-86f9-4655-88ec-3db468a6802c |
| SCIP notification number (Italy)          | 3d8009a9-2676-4dd7-8558-df9b196ae17a |
| SCIP notification number (Netherlands)    | 577a1d93-07ac-42c7-bebf-3bc3e7105cb7 |
| SCIP notification number (Poland)         | 20ae9c17-fc5f-4c7d-80c1-58a7a1adcd12 |
| SCIP notification number (Romania)        | 5b4dc2fc-d55a-4497-8a29-8ce9ccbd2f62 |
| SCIP notification number (Sweden)         | 9a6a3c2c-f1bd-48ae-af79-779e8a693833 |

| Approvals / Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                                                            |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|----------|------------------|----------------------------|----------------|---------------|--------------------------------------|------------------------|---------------------|-----------------------------------------------------------|--------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------------------------------------------|---|---|----------------------------------------------------|---|---|
| General approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        | Declarations of conformity and manufacturer's declarations |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| <div><div></div><table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EAC<br/>GZO Almaty Standart</td><td>TP TC 020/2011</td><td>EAC CoC 03083</td></tr><tr><td>KC<br/>National Radio Research Agency</td><td>Article 58-2, Clause 3</td><td>MSIP-REM-W43-AIM750</td></tr><tr><td>UL<br/>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)</td><td>UL 508</td><td>E175199</td></tr></table></div> |                        | 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-AIM750 | UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508 | E175199 | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| 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-AIM750                                        |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UL 508                 | E175199                                                    |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Standard               | Certificate Name                                           |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                      | -                                                          |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                      | -                                                          |          |                  |                            |                |               |                                      |                        |                     |                                                           |        |         |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |



| Downloads                        |  |  |                   |
|----------------------------------|--|--|-------------------|
| Environmental Product Compliance |  |  |                   |
| Compliance Search                |  |  |                   |
| Environmental Product Compliance |  |  | <a href="#">↓</a> |
| 750-460/000-003                  |  |  |                   |

| Documentation                                |         |                                                         |                   |
|----------------------------------------------|---------|---------------------------------------------------------|-------------------|
| Manual                                       |         | System Description                                      |                   |
| Product Manual 4-channel, resistance sensors | V 1.1.0 | pdf                                                     | <a href="#">↓</a> |
|                                              |         | 1272.93 KB                                              |                   |
| System Manual Series 750/753                 |         |                                                         | <a href="#">↓</a> |
|                                              |         | 750/753 Series I/O-System – General Product Information | <a href="#">↓</a> |
|                                              |         |                                                         | 953.35 KB         |
|                                              |         | Overview on WAGO-I/O-SYSTEM 750 approvals               | <a href="#">↓</a> |
|                                              |         |                                                         | 770.48 KB         |

| Bid Text        |            |          |                   |
|-----------------|------------|----------|-------------------|
| 750-460/000-003 |            | xml      | <a href="#">↓</a> |
|                 | 19.02.2019 | 4.32 KB  |                   |
| 750-460/000-003 |            | doc      | <a href="#">↓</a> |
|                 | 20.10.2017 | 28.00 KB |                   |

| CAD/CAE-Data    |  |                   |                   |
|-----------------|--|-------------------|-------------------|
| CAD data        |  | CAE data          |                   |
| 2D/3D Models    |  | EPLAN Data Portal | <a href="#">↓</a> |
| 750-460/000-003 |  | 750-460/000-003   |                   |
|                 |  | WSCAD Universe    | <a href="#">↓</a> |
|                 |  | 750-460/000-003   |                   |
|                 |  | ZUKEN Portal      | <a href="#">↓</a> |
|                 |  | 750-460/000-003   |                   |

| Device Files                                       |            |            |                   |
|----------------------------------------------------|------------|------------|-------------------|
| Device Driver                                      |            |            |                   |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0    | zip        | <a href="#">↓</a> |
|                                                    | 10.09.2014 | 4721.96 KB |                   |



| 1 Compatible Products                                                                                                                                |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 Optional Accessories                                                                                                                             |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.1 DIN-rail                                                                                                                                       |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.1.1 Mounting accessories                                                                                                                         |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                     |                                                                |                                                                 |                                                                   |
| <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               | <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           | <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      | <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                     |
|                                                                     |                                                                |                                                                 |                                                                   |
| <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       | <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              | <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              | <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 |
|                                                                     |                                                                |                                                                 |                                                                   |
| <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 | <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   | <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               | <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                                                                                                                         |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                   |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| <b>Item No.: 750-106</b><br>Group marker carrier                                                                                                     |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.2.2 Marker                                                                                                                                       |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                   |                                                              |                                                                |                                                                 |
| <b>Item No.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                                    | <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 | <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   | <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     |
|                                                                   |                                                              |                                                                |                                                                 |
| <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    | <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  | <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 | <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             |
|                                                                   |                                                              |                                                                |                                                                 |
| <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    | <b>Item No.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                  | <b>Item No.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <b>Item No.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                      |
|                                                                   |                                                              |                                                                |                                                                 |
| <b>Item No.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                                | <b>Item No.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                | <b>Item No.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <b>Item No.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                     |
|                                                                   |                                                              |                                                                                                                                                   |                                                                                                                                                      |
| <b>Item No.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                              | <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



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 System enclosure

1.1.4.1 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