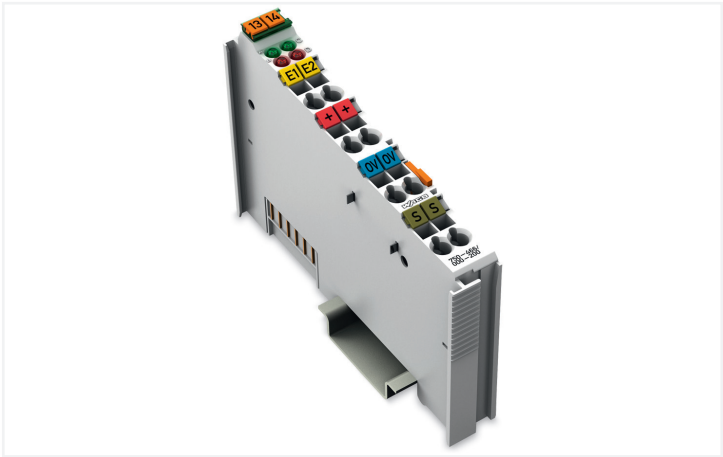
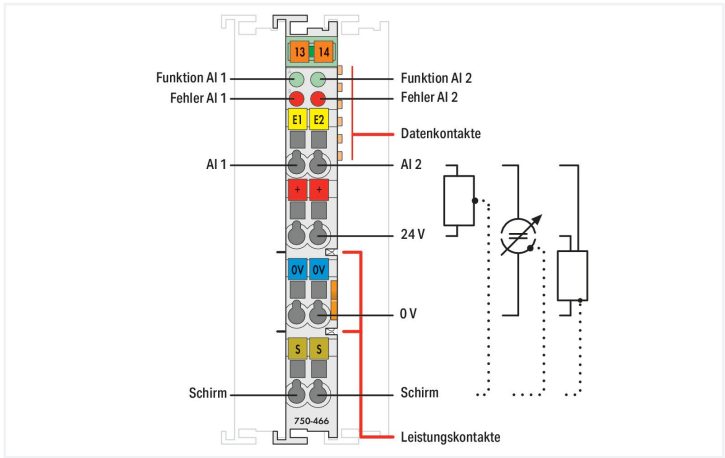
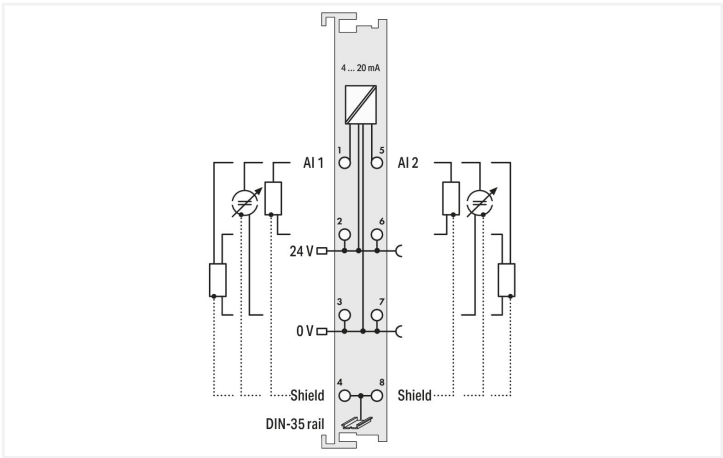
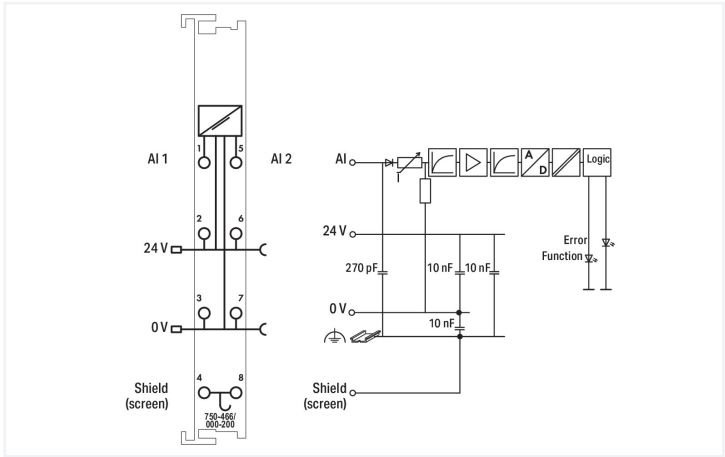




Color: ■ light gray



This analog input module powers field-side signal conditioners and transmits electrically isolated analog signals to the bus system. The 24 V field supply is derived from the module's power jumper contacts. The shield directly connects to the DIN-rail. This module powers 2-wire signal conditioners without dedicated power supply.

| Technical data                                                 |                                                                                                                                                      |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of analog inputs                                        | 2                                                                                                                                                    |
| Total number of channels (module)                              | 2                                                                                                                                                    |
| Signal type                                                    | Current                                                                                                                                              |
| Signal type (current)                                          | 4 ... 20 mADC                                                                                                                                        |
| Sensor connection                                              | 2 x (2-wire, 3-wire)                                                                                                                                 |
| Input voltage (max.)                                           | 10 V                                                                                                                                                 |
| Signal characteristics                                         | Single-ended                                                                                                                                         |
| Resolution [bit]                                               | 12 bits                                                                                                                                              |
| Input resistance (max.)                                        | 220 Ω                                                                                                                                                |
| Data width                                                     | 2 x 16-bit data; 2 x 8-bit control/status (optional)                                                                                                 |
| Conversion time (typ.)                                         | 2 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                                                                                                                                             |
| Supply voltage (system)                                        | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)                        | 75 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                                                                                                                                   |



| Technical data                           |                                                                         |  |
|------------------------------------------|-------------------------------------------------------------------------|--|
| Indicators                               | LED (A, C) green: Function AI 1, AI 2; LED (B, D) red: Error AI 1, AI 2 |  |
| Number of incoming power jumper contacts | 2                                                                       |  |
| 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          | 1.003 MJ                     |  |
| Weight             | 49.3 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                                                               | 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) |
| 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                  | 4045454392963   |
| Customs tariff number | 85389099990     |

| Environmental Product Compliance          |                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>25550-51-0<br>7439-92-1                                           |
| REACH Candidate List Substance            | 4-Methyl-1,2-cyclohexanedicarboxylic anhydride<br>Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                    |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                                                           |
| SCIP notification number (Austria)        | 68b52448-531c-4dd5-864c-06efd7e2b9d4                                                        |
| SCIP notification number (Belgium)        | c8d7220f-9167-4ea9-947f-140238145f1f                                                        |
| SCIP notification number (Bulgaria)       | 15dc18ce-17f2-4b4d-aaaf-58b98f27240c                                                        |
| SCIP notification number (Czech Republic) | 69cb0f87-d2fe-44ed-bb09-f197bcd4ac5                                                         |
| SCIP notification number (Denmark)        | 68124f83-2b26-4125-8abd-898485d4a925                                                        |
| SCIP notification number (Finland)        | fea9070d-8a58-4c0b-aa39-abb994953172                                                        |
| SCIP notification number (France)         | 239cbc6a-8250-47ee-88ac-1a041cc9e4cc                                                        |
| SCIP notification number (Germany)        | ee8fcde0-d2f8-4229-8f36-d8b16eeb4302                                                        |
| SCIP notification number (Hungary)        | 9e3da663-3e9a-4897-a9a4-330fad09c4ef                                                        |
| SCIP notification number (Italy)          | 151d3cd0-5ed2-4e77-8680-2bdae51d6378                                                        |
| SCIP notification number (Netherlands)    | 3cd48e1a-a094-4be2-879d-f4e1c56f6b9b                                                        |
| SCIP notification number (Poland)         | 21e01d01-57d7-457a-8656-3b29ec110be8                                                        |
| SCIP notification number (Romania)        | 648f9ef6-5be8-4dc3-b905-aef1acf33145                                                        |
| SCIP notification number (Sweden)         | 7d1434ca-0b37-4ed8-88ed-9b670bdf7ab                                                         |

| 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-AIM750                                                                                                                                                                                                                                                           |          |          |                  |                                                    |   |   |                                                    |   |   |
| UL<br>UL International Netherlands B.V. (ORDINARY LOCATIONS)                                                                                                           | UL 508                 | E175199 Sec.1                                                                                                                                                                                                                                                                 |          |          |                  |                                                    |   |   |                                                    |   |   |
|                                                                                                                                                                        |                        | <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                                                                                                                                                                                                                                                              |          |          |                  |                                                    |   |   |                                                    |   |   |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                     | -                      | -                                                                                                                                                                                                                                                                             |          |          |                  |                                                    |   |   |                                                    |   |   |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                     | -                      | -                                                                                                                                                                                                                                                                             |          |          |                  |                                                    |   |   |                                                    |   |   |



Approvals for hazardous areas

| <div><div><div>PTB<br/>0102</div><div></div><div>IECEX</div></div><div></div></div> |             |                                            |
|-------------------------------------------------------------------------------------|-------------|--------------------------------------------|
| Approval                                                                            | Standard    | Certificate Name                           |
| ATEX<br>TUEV Nord Cert GmbH                                                         | EN 60079-0  | TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                                                  | CNCA-C23-01 | 2020312310000213 (Ex ec IIC T4 Gc)         |
| IECEX<br>TUEV Nord Cert GmbH                                                        | IEC 60079-0 | IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)      |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                                            | IEC 60079-0 | TÜV 12.1297 X                              |
| UKEx<br>WAGO GmbH & Co. KG                                                          | EN 60079-0  | UKCA_WA<br>GO22UKEX003X_ec                 |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)                          | UL 121201   | E198726 Sec.1                              |

Downloads

Environmental Product Compliance

| Compliance Search                                   |  |
|-----------------------------------------------------|--|
| Environmental Product Compliance<br>750-466/000-200 |  |

Documentation

| Manual                                 |         |                   |  |
|----------------------------------------|---------|-------------------|--|
| Product Manual<br>4-20mA, single-ended | V 1.4.0 | pdf<br>1997.81 KB |  |
| System Manual Series<br>750/753        |         |                   |  |

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

| Bid Text        |            |                 |  |
|-----------------|------------|-----------------|--|
| 750-466/000-200 | 19.02.2019 | xml<br>4.57 KB  |  |
| 750-466/000-200 | 17.10.2017 | doc<br>29.00 KB |  |

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



| CAD/CAE-Data                    |                                      |
|---------------------------------|--------------------------------------|
| CAD data                        | CAE data                             |
| 2D/3D Models<br>750-466/000-200 | EPLAN Data Portal<br>750-466/000-200 |
|                                 | WSCAD Universe<br>750-466/000-200    |
|                                 | ZUKEN Portal<br>750-466/000-200      |

| Device Files                                               |                                            |
|------------------------------------------------------------|--------------------------------------------|
| Device Driver                                              |                                            |
| WAGO USB Service Ka-<br>bel Treiber / Serie 750<br>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 |
| <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