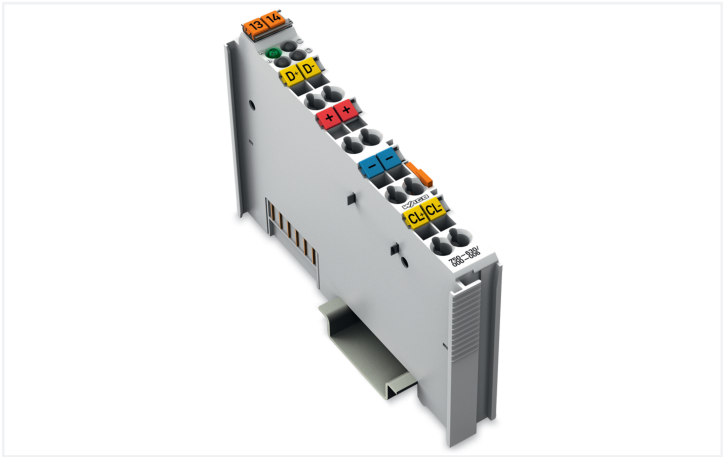
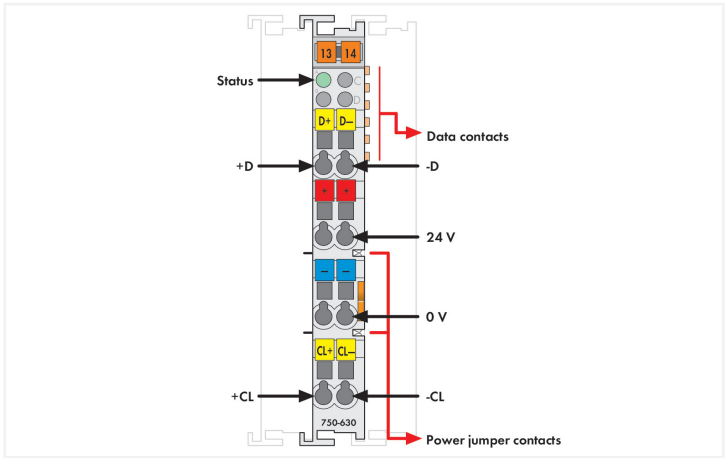
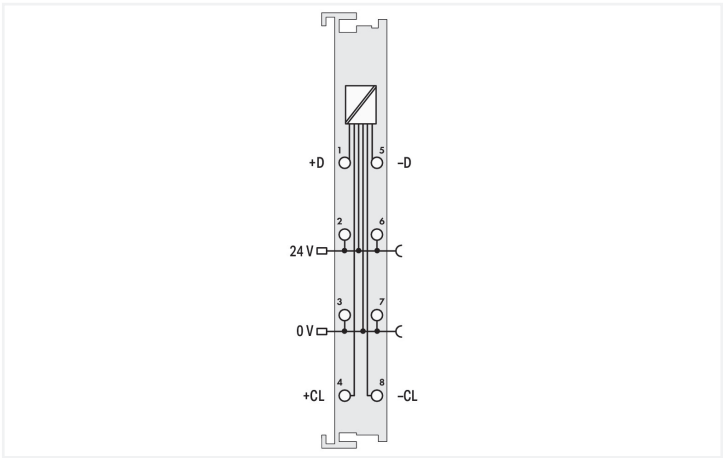
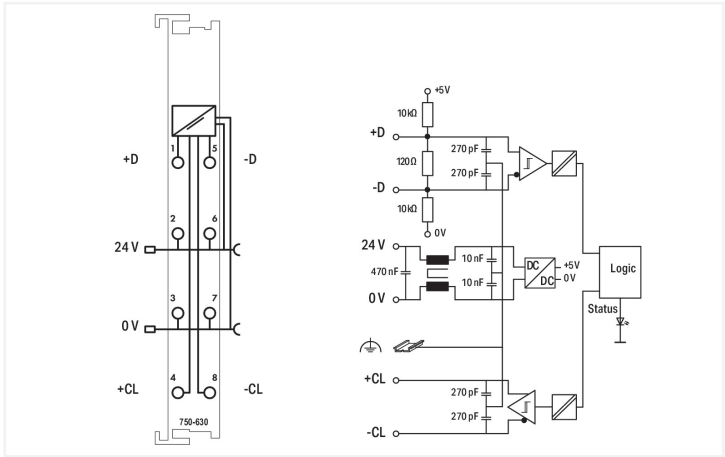




Color: ■ light gray



This module is an SSI interface for the direct connection to an SSI transmitter.  
After the module has given a clock pulse to the sensor, the module reads the incoming data and transmits it directly as a data word into the process image of the PLC or PC.  
The power supply for the transmitter is derived internally from the power jumper contacts.

| Technical data                           |                                                                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal type                              | Differential signal (RS-422)                                                                                                                         |
| Encoder connection                       | On + D, -D / Off + CL, -CL                                                                                                                           |
| Serial input                             | Data width: 24 bits                                                                                                                                  |
| Data transmission rate                   | 250 kHz                                                                                                                                              |
| Data width                               | 1 x 32 bits                                                                                                                                          |
| Code                                     | Gray code                                                                                                                                            |
| Supply voltage (system)                  | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)  | 20 mA                                                                                                                                                |
| Supply voltage (field)                   | 24 VDC (-15 ... +20 %); via power jumper contacts (power supply via blade contact; transmission (field side supply voltage only) via spring contact) |
| Isolation                                | 500 V system/field                                                                                                                                   |
| Indicators                               | LED (A) green: Status                                                                                                                                |
| Number of incoming power jumper contacts | 2                                                                                                                                                    |
| Number of outgoing power jumper contacts | 2                                                                                                                                                    |



| Connection data                       |                                   |
|---------------------------------------|-----------------------------------|
| Connection technology: inputs/outputs | 8 x CAGE CLAMP®                   |
| Connectable conductor materials       | Copper                            |
| 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          | 1.052 MJ                     |
| Weight             | 51.5 g                       |
| Conformity marking | CE                           |

| Environmental requirements                                                         |                                                                                                        |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                           |
| Ambient temperature (storage)                                                      | -40 ... +85 °C                                                                                         |
| Protection type                                                                    | IP20                                                                                                   |
| Pollution degree                                                                   | 2 per IEC 61131-2                                                                                      |
| Operating altitude                                                                 | 0 ... 2000 m / 0 ... 6562 ft                                                                           |
| Mounting position                                                                  | Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom |
| Relative humidity (without condensation)                                           | 95 %                                                                                                   |
| Vibration resistance                                                               | 4g per IEC 60068-2-6                                                                                   |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                                                                                 |
| EMC immunity to interference                                                       | per EN 61000-6-2, marine applications                                                                  |
| EMC emission of interference                                                       | per EN 61000-6-4, marine applications                                                                  |
| Exposure to pollutants                                                             | per IEC 60068-2-42 and IEC 60068-2-43                                                                  |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                                                                                 |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                                                                                 |

| Commercial data       |                 |
|-----------------------|-----------------|
| Product Group         | 15 (I/O System) |
| PU (SPU)              | 1 pcs           |
| Packaging type        | Box             |
| Country of origin     | DE              |
| GTIN                  | 4045454879891   |
| Customs tariff number | 85389099990     |



| Product classification |          |
|------------------------|----------|
| UNSPSC                 | 32151705 |

| Environmental Product Compliance          |                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1<br>79-94-7                                                |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<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)        | c946ddca-5cf4-4443-8c71-1dafe69b047f                                                          |
| SCIP notification number (Belgium)        | 001c722b-1990-40c5-b785-3df1773fc88e                                                          |
| SCIP notification number (Bulgaria)       | d653324b-690c-46f7-b16a-aa4e603fc7e2                                                          |
| SCIP notification number (Czech Republic) | b753dabd-249a-442f-9e25-66cd3f4e6c13                                                          |
| SCIP notification number (Denmark)        | acc110af-1e8c-4176-bb41-1a08107817f2                                                          |
| SCIP notification number (Finland)        | 1f8eb7fd-efc5-4b93-833e-bb534a406aff                                                          |
| SCIP notification number (France)         | 90dd3d1f-4721-4677-b2c9-feb00352fc56                                                          |
| SCIP notification number (Germany)        | f4d41eb6-8490-48d0-8216-ba019736700d                                                          |
| SCIP notification number (Hungary)        | 1ed6a681-9a95-4c65-9c0b-6ebfe6403c13                                                          |
| SCIP notification number (Italy)          | a959580c-f6a1-486d-a162-ee2f63cc68db                                                          |
| SCIP notification number (Netherlands)    | 7525218b-0e1d-40b4-96bf-3b63ed2f2f32                                                          |
| SCIP notification number (Poland)         | 997c8047-26c0-4ce8-a315-810b37deb0cc                                                          |
| SCIP notification number (Romania)        | e3a116e2-78bf-4fe8-a149-fcfd85f442f4                                                          |
| SCIP notification number (Sweden)         | 6a6b5445-b6cc-495a-ac3b-bb54ab151d7b                                                          |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | Declarations of conformity and manufacturer's declarations |
|    |                        |                                                            |
| 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-DAM750                                        |
| 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                                                                                                                                                                                                         | -                      | -                                                          |



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                                                                              |                                                                                   |                                                                                   |
| DNV<br>DNV GL SE                                                                 | DNV-CG-0339,Aug.2021                                                              | TAA0000194                                                                        |                                                                                   |                                                                                   |
| PRS<br>Polski Rejestr Statków                                                    | -                                                                                 | TE/1101/880590/23                                                                 |                                                                                   |                                                                                   |
| RINA<br>RINA Germany GmbH                                                        | -                                                                                 | ELE343521XG001                                                                    |                                                                                   |                                                                                   |

Approvals for hazardous areas

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

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--------------------------------------------------------|
| Environmental Product<br>Compliance<br>750-630/000-006 |

Documentation

| Manual                                   |         |                   |                                                                                     |
|------------------------------------------|---------|-------------------|-------------------------------------------------------------------------------------|
| Product Manual SSI transmitter interface | V 1.2.0 | pdf<br>2107.63 KB |  |
| System Manual Series 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        |            |                 |                                                                                                     |
|-----------------|------------|-----------------|-----------------------------------------------------------------------------------------------------|
| 750-630/000-006 | 19.02.2019 | xml<br>4.40 KB  | <a href="#"></a> |
| 750-630/000-006 | 09.10.2017 | doc<br>26.50 KB | <a href="#"></a> |

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



| CAD/CAE-Data                    |                                      |
|---------------------------------|--------------------------------------|
| CAD data                        | CAE data                             |
| 2D/3D Models<br>750-630/000-006 | EPLAN Data Portal<br>750-630/000-006 |
|                                 | WSCAD Universe<br>750-630/000-006    |
|                                 | ZUKEN Portal<br>750-630/000-006      |

| 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