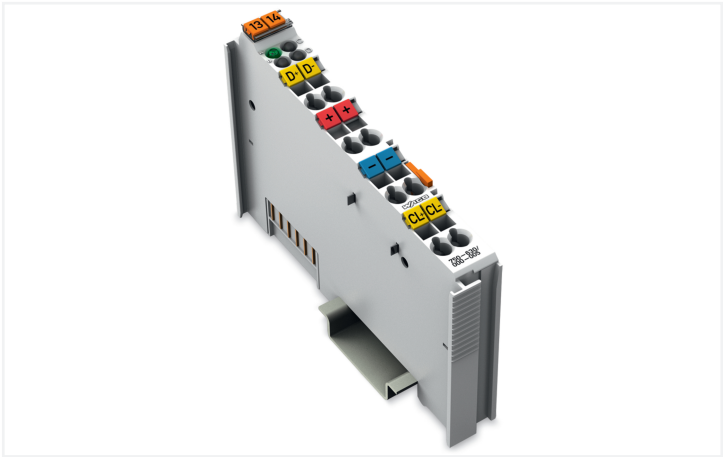
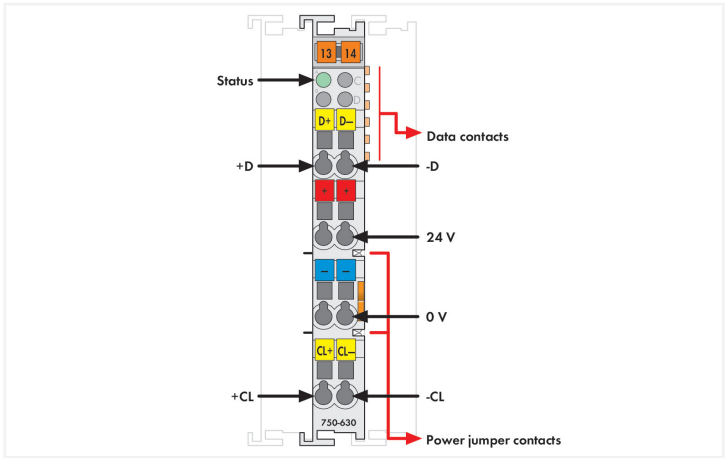
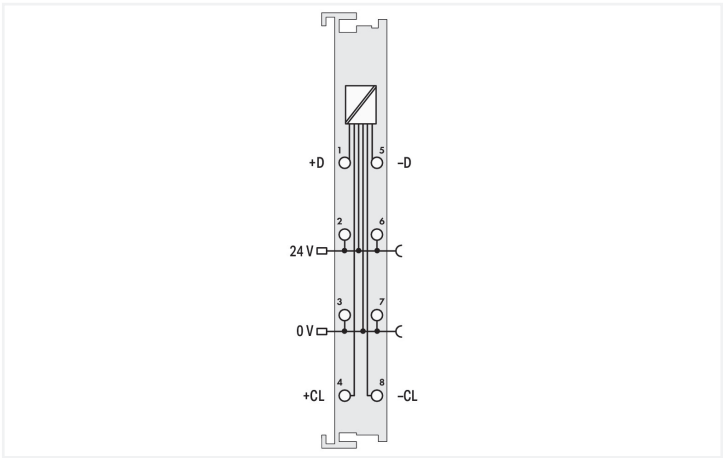
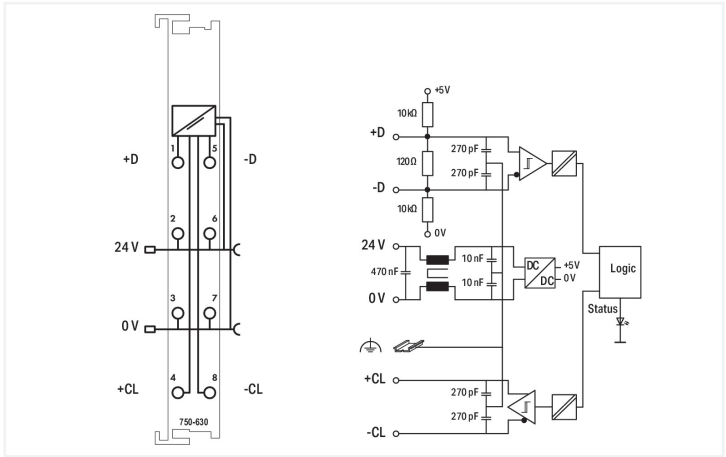




Color: ■ light gray



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: 15 bits                                                                                                                                  |
| Data transmission rate                   | 125 kHz                                                                                                                                              |
| Data width                               | 1 x 32-bit; 1 x 8-bit control/status (optional)                                                                                                      |
| 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: 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          | 0.837 MJ                     |
| Weight             | 51 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                  | 4045454879877   |
| Customs tariff number | 85389099990     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32151705             |
| eCl@ss 10.0            | 27-24-26-05          |
| eCl@ss 9.0             | 27-24-26-05          |
| ETIM 9.0               | EC001601             |
| ETIM 8.0               | EC001601             |
| ECCN                   | NO US CLASSIFICATION |

| 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)        | fa239ef2-488f-4662-9315-208236b7b45d                                                          |
| SCIP notification number (Belgium)        | 8a84f7b7-0356-434e-8e0c-623f453bf53c                                                          |
| SCIP notification number (Bulgaria)       | 964aefac-5cda-4dd2-9278-f854d5904487                                                          |
| SCIP notification number (Czech Republic) | 90e7bfde-97e0-46ab-a9de-cf7f1ffe3a22                                                          |
| SCIP notification number (Denmark)        | a65c40c7-e61b-405f-aeb8-bef26239edba                                                          |
| SCIP notification number (Finland)        | c588b149-a974-4ca6-a5d7-cc3fed694c94                                                          |
| SCIP notification number (France)         | 4deca39b-9d57-4576-80ab-18534726d3d9                                                          |
| SCIP notification number (Germany)        | 225a2c56-a33f-4a62-89a1-89972356550e                                                          |
| SCIP notification number (Hungary)        | e29be677-6459-43e4-9ba2-89189169d78f                                                          |
| SCIP notification number (Italy)          | 45176a49-b8d1-4354-843f-ca492998bf94                                                          |
| SCIP notification number (Netherlands)    | eb27a126-76bc-4211-aa13-d57edd44a296                                                          |
| SCIP notification number (Poland)         | 67402a4e-0f3f-4d58-8888-d86b5d547e10                                                          |
| SCIP notification number (Romania)        | 349fe999-6f77-4d7f-b170-cee91fb1d387                                                          |
| SCIP notification number (Sweden)         | 80538ce5-6137-4f3d-818f-17546b781c1c                                                          |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | General approvals                                                 |
|    |                        | UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS) |
|                                                                                                                                                                                                                                                            |                        | UL 508                                                            |
|                                                                                                                                                                                                                                                            |                        | E175199                                                           |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                                  |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                                 | TP TC 020/2011         | EAC CoC 03083                                                     |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                                    | Article 58-2, Clause 3 | MSIP-REM-W43-DAM750                                               |



Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



| Approval                                                        | Standard             | Certificate Name  |
|-----------------------------------------------------------------|----------------------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping                         | -                    | 22-2219060        |
| BSH<br>Bundesamt fuer See-<br>schifffahrt und Hydrogra-<br>phie | -                    | 1104              |
| 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>750-630/000-005 |





| Documentation                                                                                                                                                 |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Manual                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               | ↓ |
| Product Manual SSI transmitter interface                                                                                                                      | V 1.2.0                                                                                                                                                | pdf                                                                                                                                                   | 2107.63 KB                                                                                                                                                    |   |
| System Manual Series 750/753                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| System Description                                                                                                                                            |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| 750/753 Series I/O-System – General Product Information                                                                                                       |                                                                                                                                                        | pdf                                                                                                                                                   | 953.35 KB                                                                                                                                                     | ↓ |
| Overview on WAGO-I/O-SYSTEM 750 approvals                                                                                                                     |                                                                                                                                                        | pdf                                                                                                                                                   | 770.48 KB                                                                                                                                                     | ↓ |
| Bid Text                                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| 750-630/000-005                                                                                                                                               | 19.02.2019                                                                                                                                             | xml                                                                                                                                                   | 4.41 KB                                                                                                                                                       | ↓ |
| 750-630/000-005                                                                                                                                               | 09.10.2017                                                                                                                                             | doc                                                                                                                                                   | 25.50 KB                                                                                                                                                      | ↓ |
| Instruction Leaflet                                                                                                                                           |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| CCC Ex (Additional information)                                                                                                                               | 26.04.2023                                                                                                                                             | pdf                                                                                                                                                   | 159.76 KB                                                                                                                                                     | ↓ |
| CAD/CAE-Data                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| CAD data                                                                                                                                                      |                                                                                                                                                        | ↓                                                                                                                                                     |                                                                                                                                                               |   |
| 2D/3D Models 750-630/000-005                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| CAE data                                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| EPLAN Data Portal 750-630/000-005                                                                                                                             |                                                                                                                                                        | ↓                                                                                                                                                     |                                                                                                                                                               |   |
| WSCAD Universe 750-630/000-005                                                                                                                                |                                                                                                                                                        | ↓                                                                                                                                                     |                                                                                                                                                               |   |
| ZUKEN Portal 750-630/000-005                                                                                                                                  |                                                                                                                                                        | ↓                                                                                                                                                     |                                                                                                                                                               |   |
| Device Files                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| Device Driver                                                                                                                                                 |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| WAGO USB Service Kabel Treiber / Serie 750 und 857                                                                                                            | 6.5.3.0<br>10.09.2014                                                                                                                                  | zip                                                                                                                                                   | 4721.96 KB                                                                                                                                                    | ↓ |
| 1 Compatible Products                                                                                                                                         |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| 1.1 Optional Accessories                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| 1.1.1 DIN-rail                                                                                                                                                |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
| 1.1.1.1 Mounting accessories                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                               |   |
|                                                                            |                                                                     |                                                                   |                                                                          |   |
| <a href="#">Item No.: 210-196</a><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <a href="#">Item No.: 210-198</a><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored         | <a href="#">Item No.: 210-508</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | <a href="#">Item No.: 210-197</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |   |
|                                                                            |                                                                     |                                                                   |                                                                          |   |
| <a href="#">Item No.: 210-506</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <a href="#">Item No.: 210-114</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored            | <a href="#">Item No.: 210-118</a><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored         | <a href="#">Item No.: 210-115</a><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 |   |
|                                                                            |                                                                     |                                                                   |                                                                          |   |
| <a href="#">Item No.: 210-112</a><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 | <a href="#">Item No.: 210-504</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | <a href="#">Item No.: 210-113</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored          | <a href="#">Item No.: 210-505</a><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



[Item No.: 750-106](#)  
Group marker carrier

1.1.2.2 Marker



[Item No.: 750-100](#)  
Marker card; as a DIN A4 sheet; plain



[Item No.: 2009-145/000-006](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



[Item No.: 2009-145/000-007](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



[Item No.: 2009-145/000-023](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



[Item No.: 2009-145/000-012](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



[Item No.: 2009-145/000-005](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



[Item No.: 2009-145/000-024](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



[Item No.: 2009-145](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



[Item No.: 2009-145/000-002](#)  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



[Item No.: 248-501/000-006](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



[Item No.: 248-501/000-007](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



[Item No.: 248-501/000-023](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



[Item No.: 248-501/000-017](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



[Item No.: 248-501/000-012](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



[Item No.: 248-501/000-005](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



[Item No.: 248-501/000-024](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



[Item No.: 248-501](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



[Item No.: 248-501/000-002](#)  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.1.2.3 Marker carrier



[Item No.: 750-103](#)  
Group marker carrier

1.1.3 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 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