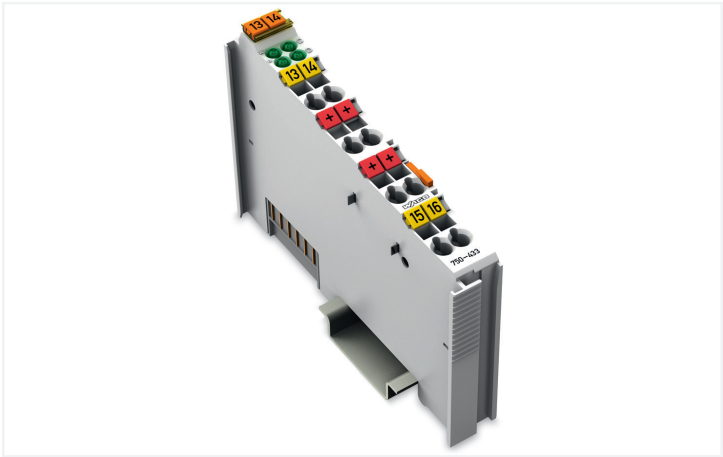
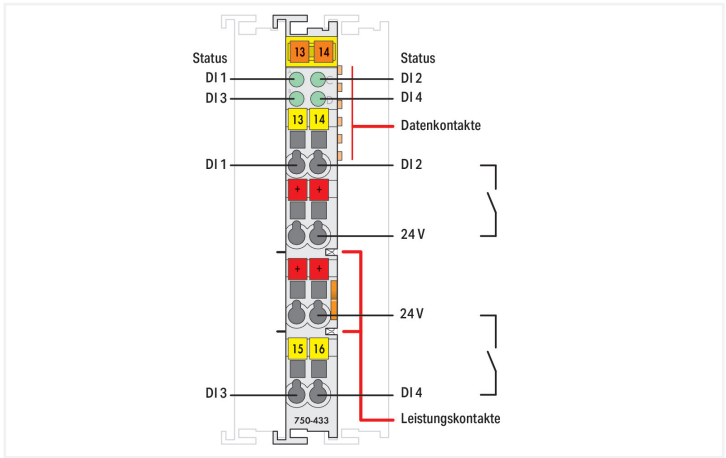
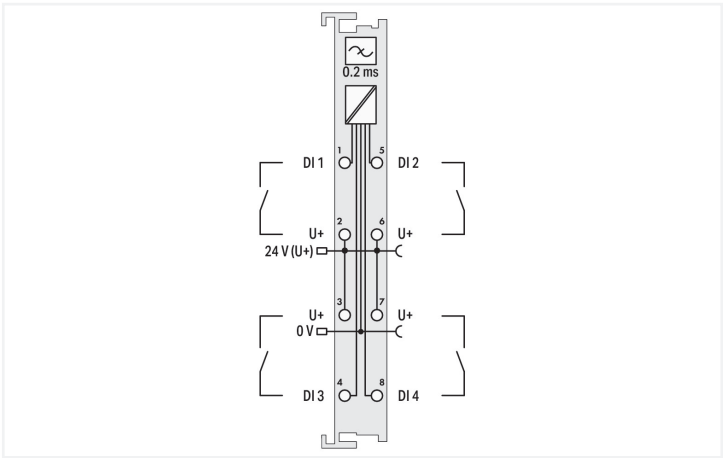
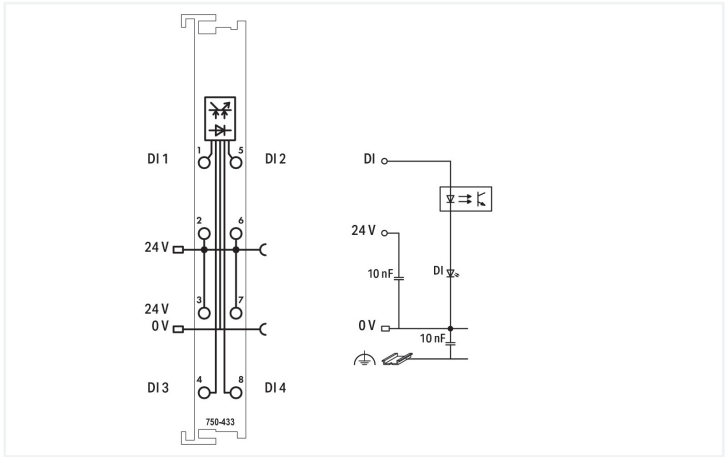




Color: ■ light gray



This digital input module receives control signals from field devices (e.g., sensors). The module has four input channels and four 24 V outputs, providing a direct connection to four 2-wire sensors. Each input module has a noise-rejection filter. Field and system levels are electrically isolated.

| Technical data                                |                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of digital inputs                      | 4                                                                                                                                                    |
| Total number of channels (module)             | 4                                                                                                                                                    |
| Signal type                                   | Digital                                                                                                                                              |
| Signal type (voltage)                         | 24 VDC                                                                                                                                               |
| Sensor supply                                 | DC 24 V                                                                                                                                              |
| Sensor connection                             | 4 x (2-wire)                                                                                                                                         |
| Input characteristic                          | high-side switching                                                                                                                                  |
| Input filter (digital)                        | 0.2 ms                                                                                                                                               |
| Input current per channel for signal (1) typ. | 4.5 mA                                                                                                                                               |
| Voltage range for signal (0)                  | -3 ... +5 VDC                                                                                                                                        |
| Voltage range for signal (1)                  | 15 ... 30 VDC                                                                                                                                        |
| Input data width (internal) max.              | 4 bits                                                                                                                                               |
| Supply voltage (system)                       | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)       | 5.5 mA                                                                                                                                               |
| Supply voltage (field)                        | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact) |
| Isolation                                     | 500 V system/field                                                                                                                                   |
| Indicators                                    | LED (A-D) green: Status DI 1 ... DI 4                                                                                                                |
| Number of incoming power jumper contacts      | 2                                                                                                                                                    |



| Technical data                                    |      |
|---------------------------------------------------|------|
| Number of outgoing power jumper contacts          | 2    |
| Current carrying capacity (power jumper contacts) | 10 A |

| Connection data                       |                                   |
|---------------------------------------|-----------------------------------|
| Connection technology: inputs/outputs | 8 x CAGE CLAMP® (inputs)          |
| Connection type 1                     | Input                             |
| 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          | 1.191 MJ                     |
| Weight             | 48 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 up, horizontal down, 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 61000-6-3, marine applications                                                               |
| Exposure to pollutants                                                             | per IEC 60068-2-42 and IEC 60068-2-43                                                               |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                                                                              |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                                                                              |



| Commercial data       |                 |  |
|-----------------------|-----------------|--|
| Product Group         | 15 (I/O System) |  |
| eCl@ss 10.0           | 27-24-26-04     |  |
| eCl@ss 9.0            | 27-24-26-04     |  |
| ETIM 8.0              | EC001599        |  |
| ETIM 7.0              | EC001599        |  |
| PU (SPU)              | 1 pcs           |  |
| Packaging type        | Box             |  |
| Country of origin     | DE              |  |
| GTIN                  | 4045454466183   |  |
| Customs tariff number | 85389099990     |  |

| Environmental Product Compliance          |                                           |  |
|-------------------------------------------|-------------------------------------------|--|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1       |  |
| REACH Candidate List Substance            | Lead monoxide<br>Diboron trioxide<br>Lead |  |
| 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)        | 8b674606-7046-400e-a33b-7c735656e76b      |  |
| SCIP notification number (Belgium)        | 9171c74c-ef63-484c-adce-deaa3dd8190a      |  |
| SCIP notification number (Bulgaria)       | 232e61ce-7d82-4440-8e6e-654d75e48a98      |  |
| SCIP notification number (Czech Republic) | de2c5631-4582-4a24-8e93-4b39d8c4a9e8      |  |
| SCIP notification number (Denmark)        | 548a70c6-5e8f-44bf-8dec-f0afd38fb624      |  |
| SCIP notification number (Finland)        | 95ff4fd5-fd18-4c54-a93b-d5bac128d801      |  |
| SCIP notification number (France)         | f734853d-48a1-49e2-bafd-41dcb49851e8      |  |
| SCIP notification number (Germany)        | 5cd6651b-260f-4038-b1e2-4c059a1d9f03      |  |
| SCIP notification number (Hungary)        | 0571e2f3-1a7d-4b83-8813-97c3481b9e76      |  |
| SCIP notification number (Italy)          | 253bf512-4d73-4ae7-bf9d-573ff1ddc4a5      |  |
| SCIP notification number (Netherlands)    | a9599f17-e2f5-402e-91b2-199b96fb8fb8      |  |
| SCIP notification number (Poland)         | 8854d8ac-affd-4106-9bc0-74ad648b66fa      |  |
| SCIP notification number (Romania)        | 9564eb21-2434-4b10-8c7c-1364658a8ac3      |  |
| SCIP notification number (Sweden)         | 328c7d42-54f3-4041-8087-4de110e70538      |  |

| 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-DIM750                                        |
| 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              |
| BV<br>Bureau Veritas S.A.                                       | -                    | 13453/E0 BV       |
| DNV<br>DNV GL SE                                                | DNV-CG-0339,Aug.2021 | TAA0000194        |
| KR<br>Korean Register of Ship-<br>ping                          | -                    | KR HMB05880-AC001 |
| LR<br>Lloyds Register EMEA                                      | -                    | LR22180952TA      |
| PRS<br>Polski Rejestr Statków                                   | -                    | TE/1101/880590/23 |
| RINA<br>RINA Germany GmbH                                       | -                    | ELE343521XG001    |

Approvals for hazardous areas



| Approval                                                   | Standard    | Certificate Name                           |
|------------------------------------------------------------|-------------|--------------------------------------------|
| ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0  | TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                         | CNCA-C23-01 | 2020312310000213 (Ex ec IIC T4 Gc)         |
| 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 GO22UKEX003X_ec                    |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201   | E198726                                    |

Downloads

| Environmental Product Compliance         |                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                        |                                                                                     |
| Environmental Product Compliance 750-433 |  |

Documentation

| Manual                                 |                       |                   |                                                                                     | System Description                                      |                  |  |                                                                                       |
|----------------------------------------|-----------------------|-------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|--|---------------------------------------------------------------------------------------|
| Product Manual 4-channel, 24VDC, 0.2ms | V 2.0.0<br>07.09.2022 | pdf<br>2621.32 KB |  | 750/753 Series I/O-System – General Product Information | pdf<br>953.35 KB |  |  |
| System Manual Series 750/753           |                       |                   |  | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf<br>770.48 KB |  |  |

| Bid Text |            |                 |                                                                                     | Instruction Leaflet             |            |                  |                                                                                       |
|----------|------------|-----------------|-------------------------------------------------------------------------------------|---------------------------------|------------|------------------|---------------------------------------------------------------------------------------|
| 750-433  | 19.02.2019 | xml<br>4.07 KB  |  | CCC Ex (Additional information) | 26.04.2023 | pdf<br>159.76 KB |  |
| 750-433  | 12.07.2017 | doc<br>25.50 KB |  |                                 |            |                  |                                                                                       |



| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 750-433 | EPLAN Data Portal 750-433 |
|                      | WSCAD Universe 750-433    |
|                      | ZUKEN Portal 750-433      |

| Device Files                                       |                       |                   |  |
|----------------------------------------------------|-----------------------|-------------------|--|
| Device Driver                                      |                       |                   |  |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>10.09.2014 | zip<br>4721.96 KB |  |

| 1 Compatible Products        |
|------------------------------|
| 1.1 Optional Accessories     |
| 1.1.1 DIN-rail               |
| 1.1.1.1 Mounting accessories |

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <br><b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored         | <br><b>Item No.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |
| <br><b>Item No.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <br><b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored            | <br><b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored         | <br><b>Item No.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |
| <br><b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <br><b>Item No.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored          | <br><b>Item No.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored      |

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



1.1.2.2 Marker

|                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                                 | <br><b>Item No.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | <br><b>Item No.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <br><b>Item No.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green |
| <br><b>Item No.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <br><b>Item No.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red  | <br><b>Item No.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <br><b>Item No.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white         |
| <br><b>Item No.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <br><b>Item No.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                  | <br><b>Item No.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <br><b>Item No.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                  |
| <br><b>Item No.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                             | <br><b>Item No.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                | <br><b>Item No.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <br><b>Item No.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                 |
| <br><b>Item No.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                           | <br><b>Item No.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |

1.1.2.3 Marker carrier

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

1.1.3 Shield termination

1.1.3.1 Shield clamping saddles

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



1.1.4 Supply module

1.1.4.1 Supply module



**Item No.: 750-612**  
Power Supply; 0 ... 230 V AC/DC



**Item No.: 750-602**  
Power Supply; 24 VDC



**Item No.: 750-601**  
Power Supply; 24 VDC; fuse holder



**Item No.: 750-610**  
Power Supply; 24 VDC; fuse holder; Diagnostics

1.1.5 System enclosure

1.1.5.1 System enclosure



**Item No.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20



**Item No.: 850-826**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828**  
IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-826/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-827/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-828/002-000**  
IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip



**Item No.: 850-834**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20



**Item No.: 850-835**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip



**Item No.: 850-836**  
IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-814/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate



**Item No.: 850-815/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate



**Item No.: 850-816/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate



**Item No.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate