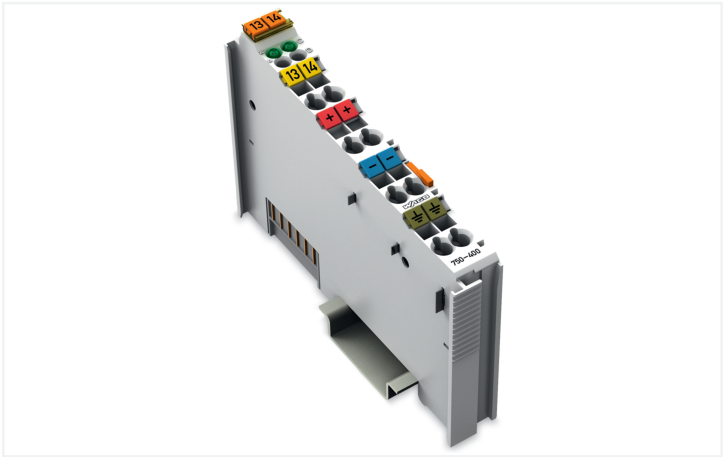
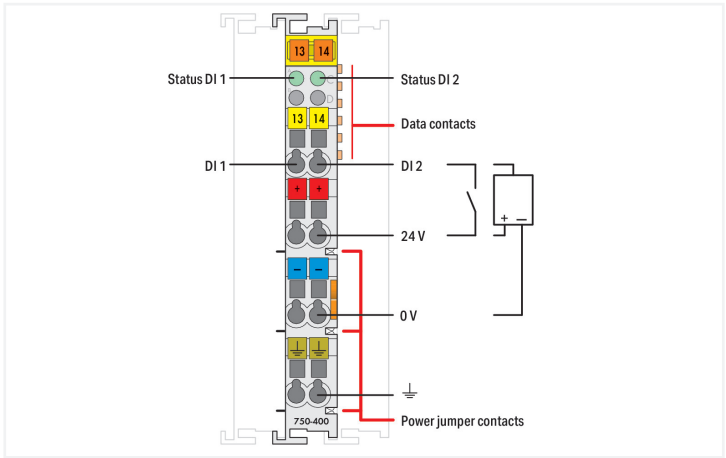
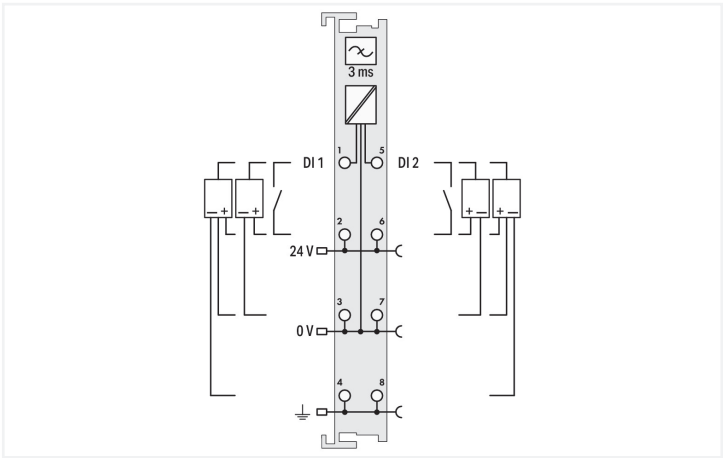
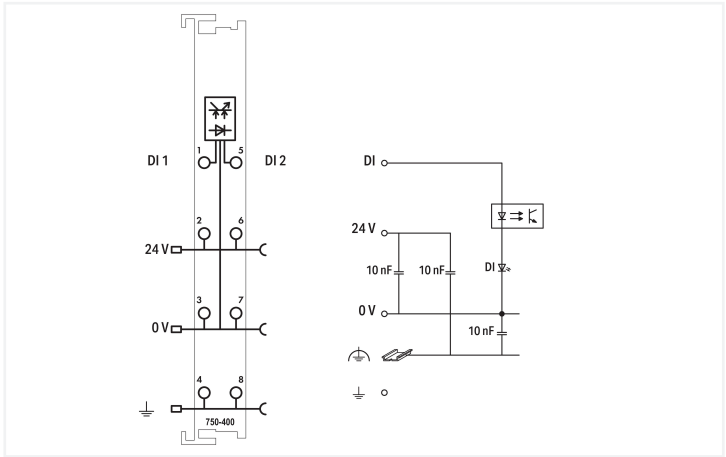




Color: ■ light gray



This digital input module receives control signals from field devices (e.g., sensors). Each input module has a noise-rejection filter. Field and system levels are electrically isolated.

| Technical data                                |                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of digital inputs                      | 2                                                                                                                                                    |
| Total number of channels (module)             | 2                                                                                                                                                    |
| Signal type                                   | Digital                                                                                                                                              |
| Signal type (voltage)                         | 24 VDC                                                                                                                                               |
| Sensor connection                             | 2 x (2-wire, 3-wire, 4-wire)                                                                                                                         |
| Input characteristic                          | high-side switching                                                                                                                                  |
| Input filter                                  | 3 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                                                                                                                                        |
| Sensor supply                                 | 24 VDC                                                                                                                                               |
| Input data width (internal) max.              | 2 bits                                                                                                                                               |
| Supply voltage (system)                       | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)       | 3.7 mA                                                                                                                                               |
| Supply voltage (field)                        | 24 VDC (-25 ... +30 %); 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, C) green: Status DI 1, DI 2                                                                                                                  |
| Number of incoming power jumper contacts      | 3                                                                                                                                                    |
| Number of outgoing power jumper contacts      | 3                                                                                                                                                    |



| Technical data                                                                     |                                                                                                        |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Current carrying capacity (power jumper contacts)                                  | 10 A                                                                                                   |
| Connection data                                                                    |                                                                                                        |
| Connection technology: I/O                                                         | 8 x CAGE CLAMP® (inputs)                                                                               |
| Connectable conductor materials                                                    | Copper                                                                                                 |
| Connection type                                                                    | 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                                                                          | 0.995 MJ                                                                                               |
| Weight                                                                             | 45.8 g                                                                                                 |
| Conformity marking                                                                 | CE                                                                                                     |
| Environmental requirements                                                         |                                                                                                        |
| Ambient temperature (operation)                                                    | 0 ... +55 °C                                                                                           |
| Ambient temperature (storage)                                                      | -40 ... +85 °C                                                                                         |
| Protection type                                                                    | IP20                                                                                                   |
| Pollution degree                                                                   | 2 per IEC 61131-2                                                                                      |
| Operating altitude                                                                 | 0 ... 2000 m / 0 ... 6562 ft                                                                           |
| Mounting position                                                                  | Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom |
| Relative humidity (without condensation)                                           | 95 %                                                                                                   |
| Vibration resistance                                                               | 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                  | 4045454424251   |
| Customs tariff number | 85389099990     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32151705             |
| eCl@ss 10.0            | 27-24-26-04          |
| eCl@ss 9.0             | 27-24-26-04          |
| ETIM 9.0               | EC001599             |
| ETIM 8.0               | EC001599             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                           |
|-------------------------------------------|-------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>7439-92-1       |
| REACH Candidate List Substance            | 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)        | 35d1bd2d-1dd4-4949-936a-c10f9d8f4359      |
| SCIP notification number (Belgium)        | 119e9707-a7b8-49ce-8650-b187b4d1d894      |
| SCIP notification number (Bulgaria)       | 43a66e7a-333a-450a-b7ce-2a330c2bf26d      |
| SCIP notification number (Czech Republic) | c4ef2ef5-9eb7-4550-bea3-21eaca67a60f      |
| SCIP notification number (Denmark)        | 107c1150-20b7-42d6-b924-79659ef9c1e1      |
| SCIP notification number (Finland)        | 253d5b41-1c4f-4ec0-bc02-5e79ab22731f      |
| SCIP notification number (France)         | d248b7be-a29a-4f81-8447-81d3c4c63e6b      |
| SCIP notification number (Germany)        | e19c8424-ea77-4459-8b1b-e15c8c9fd603      |
| SCIP notification number (Hungary)        | a23d906e-873d-454a-9f6b-6dc0baa18933      |
| SCIP notification number (Italy)          | b8d2ef7b-9f23-466d-87bd-5d01d0e6d61a      |
| SCIP notification number (Netherlands)    | 76d1a84c-03ad-4309-b8c3-f12ae7983786      |
| SCIP notification number (Poland)         | 99a0b07c-fb79-4824-be66-ceb4b1ae89a0      |
| SCIP notification number (Romania)        | fcad878d-d438-473d-a716-c9bdcaeb349d      |
| SCIP notification number (Sweden)         | f4c35607-1d0c-4bfa-ba35-6d631aabd3b0      |

| 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-DIM750                                               |



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              |
| 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      |
| NK<br>Nippon Kaiji Kyokai                                       | Guidel. Perform. Type Ap-<br>provals | TA25276M          |
| 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 Compliance 750-400 |  |  | <a href="#">↓</a> |

| Documentation                          |                                                      |                                           |                                       |
|----------------------------------------|------------------------------------------------------|-------------------------------------------|---------------------------------------|
| Manual                                 |                                                      | System Description                        |                                       |
| Product Manual 2-channel, 24VDC, 3.0ms | 1988858123   7   en-US   2025-06-03 08:54 11.09.2025 | pdf<br>793.94 KB                          | <a href="#">↓</a>                     |
| System Manual Series 750/753           |                                                      | Overview on WAGO-I/O-SYSTEM 750 approvals | pdf<br>770.48 KB<br><a href="#">↓</a> |

| Bid Text                |            |                 |                   |
|-------------------------|------------|-----------------|-------------------|
| 750-400                 | 19.02.2019 | xml<br>4.04 KB  | <a href="#">↓</a> |
| 750-400                 | 12.07.2017 | doc<br>24.50 KB | <a href="#">↓</a> |
| ausschreiben.de 750-400 |            |                 | <a href="#">↓</a> |

| Instruction Leaflet             |            |                  |                   |
|---------------------------------|------------|------------------|-------------------|
| CCC Ex (Additional information) | 26.04.2023 | pdf<br>159.76 KB | <a href="#">↓</a> |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 750-400 | EPLAN Data Portal 750-400 |
|                      | WSCAD Universe 750-400    |
|                      | ZUKEN Portal 750-400      |

| 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 | <a href="#">↓</a> |



| 1 Compatible Products                                                                                                                                |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 Optional Accessories                                                                                                                             |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.1 DIN-rail                                                                                                                                       |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.1.1 Mounting accessories                                                                                                                         |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                     |                                                                |                                                                 |                                                                   |
| <b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored               | <b>Item No.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored           | <b>Item No.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored      | <b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored                     |
|                                                                     |                                                                |                                                                 |                                                                   |
| <b>Item No.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored       | <b>Item No.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored              | <b>Item No.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored              | <b>Item No.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored |
|                                                                     |                                                                |                                                                 |                                                                   |
| <b>Item No.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <b>Item No.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored   | <b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored               | <b>Item No.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored      |
| 1.1.2 Marking                                                                                                                                        |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.2.1 Group marker carrier                                                                                                                         |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                   |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| <b>Item No.: 750-106</b><br>Group marker carrier                                                                                                     |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
| 1.1.2.2 Marker                                                                                                                                       |                                                                                                                                                 |                                                                                                                                                   |                                                                                                                                                      |
|                                                                   |                                                              |                                                               |                                                                 |
| <b>Item No.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                                    | <b>Item No.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | <b>Item No.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <b>Item No.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green     |
|                                                                   |                                                              |                                                               |                                                                 |
| <b>Item No.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange    | <b>Item No.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red  | <b>Item No.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <b>Item No.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white             |
|                                                                   |                                                              |                                                               |                                                                 |
| <b>Item No.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow    | <b>Item No.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                  | <b>Item No.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <b>Item No.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                      |
|                                                                   |                                                              |                                                               |                                                                 |
| <b>Item No.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                                | <b>Item No.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                | <b>Item No.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <b>Item No.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                     |
|                                                                   |                                                              |                                                                                                                                                   |                                                                                                                                                      |
| <b>Item No.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                              | <b>Item No.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                |                                                                                                                                                   |                                                                                                                                                      |



1.1.2.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.1.3 Shield termination

1.1.3.1 Shield clamping saddles



Item No.: 790-108  
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm



Item No.: 790-208  
Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm



Item No.: 790-116  
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm



Item No.: 790-216  
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm



Item No.: 790-124  
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm



Item No.: 790-220  
Shield clamping saddle; 30 mm wide; 6 ... 20 mm



Item No.: 790-140  
Shield clamping saddle; diameter of compatible conductor

1.1.4 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

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: [www.wago.com](http://www.wago.com)