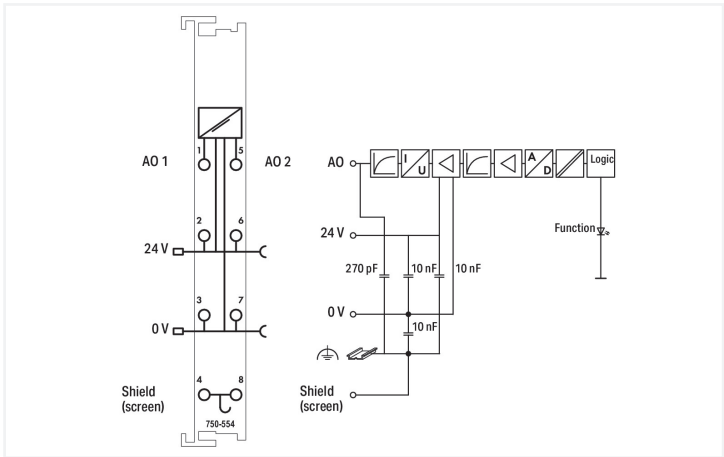
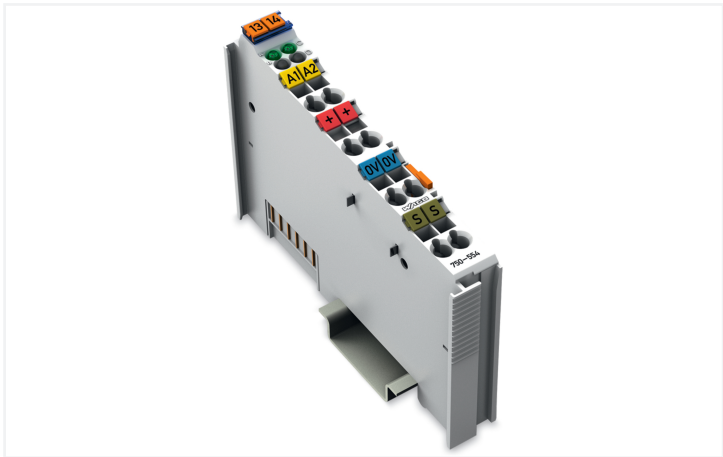
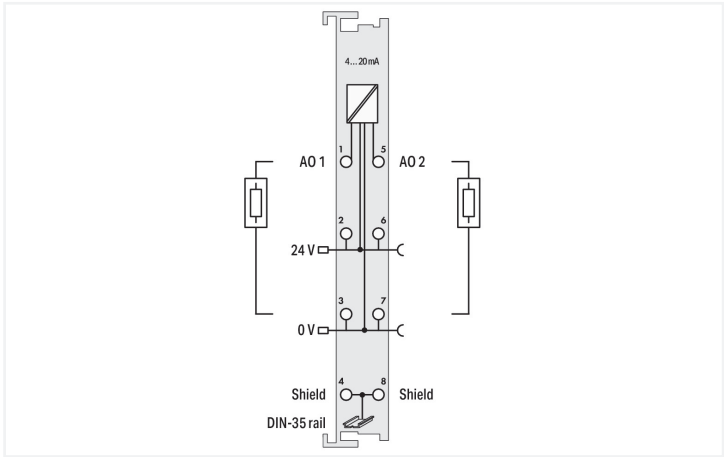
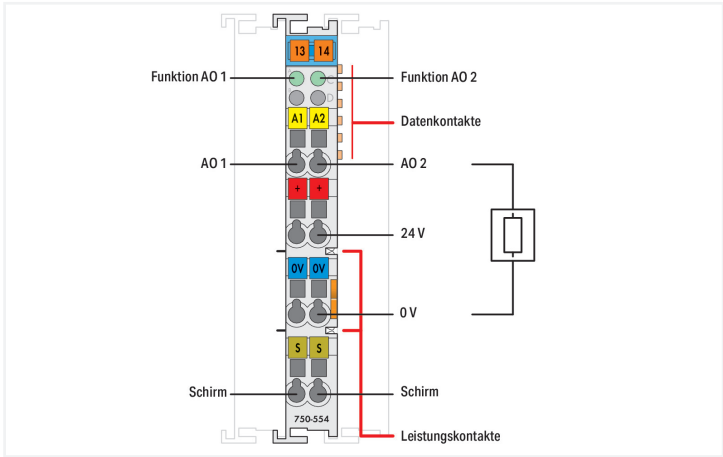




Color: ■ light gray



This analog output module generates standard 4–20 mA signals.  
The output signal is electrically isolated and transmitted with a resolution of 12 bits.  
Power is derived from the field side.

| Technical data                                          |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| Number of analog outputs                                | 2                                                    |
| Total number of channels (module)                       | 2                                                    |
| Signal type                                             | Current                                              |
| Signal type (current)                                   | 4 ... 20 mADC                                        |
| Actuator connection                                     | 2 x (2-wire)                                         |
| Resolution [bit]                                        | 12 bits                                              |
| Data width                                              | 2 x 16-bit data; 2 x 8-bit control/status (optional) |
| Load impedance (current output)                         | ≤ 600 Ω                                              |
| Conversion time (typ.)                                  | 2 ms                                                 |
| Output error, reference temperature                     | 25 °C                                                |
| Output error, deviation (max.) of the upper-range value | 0.1 %                                                |
| Temperature error (max.) of the output range value      | 0.015 %/K                                            |
| Linearity                                               | ±10 µA                                               |
| Supply voltage (system)                                 | 5 VDC; via data contacts                             |
| Current consumption (system supply)                     | 70 mA                                                |



| Technical data                           |                                                                                                                                                      |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: Function AO 1, AO 2                                                                                                                |
| 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          | 0.937 MJ                     |
| Weight             | 50 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                  | 4045454393663   |  |
| Customs tariff number | 85389099990     |  |

| Product Classification |                      |  |
|------------------------|----------------------|--|
| UNSPSC                 | 32101506             |  |
| eCl@ss 10.0            | 27-24-26-01          |  |
| eCl@ss 9.0             | 27-24-26-01          |  |
| ETIM 9.0               | EC001596             |  |
| ETIM 10.0              | EC001596             |  |
| 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)        | 35f566e8-d312-42ff-b4a6-1f8c2b60751e      |  |
| SCIP notification number (Belgium)        | a404b2ad-7af1-40f9-b56a-8718cc931dbf      |  |
| SCIP notification number (Bulgaria)       | cecdce1f-f941-4c5a-9bc0-cfb02191a273      |  |
| SCIP notification number (Czech Republic) | 85d34d70-6be0-4fa3-96a3-3e33f73aed8d      |  |
| SCIP notification number (Denmark)        | 37d773df-f136-4b2f-b0ce-1767ce3b1d51      |  |
| SCIP notification number (Finland)        | 13cf3d49-621f-4999-a455-f0d2089b0c35      |  |
| SCIP notification number (France)         | 568a51b4-c456-4a1f-89d6-505b002b39ec      |  |
| SCIP notification number (Germany)        | 7d041857-376b-439f-bb98-9198fedcd5e4      |  |
| SCIP notification number (Hungary)        | d9b0ce0c-3638-4ec6-8755-3ac5976027eb      |  |
| SCIP notification number (Italy)          | a374cd64-575d-40d9-9489-21872f8a9141      |  |
| SCIP notification number (Netherlands)    | 4bc0c674-9882-41a6-b2a6-36059cdd07ed      |  |
| SCIP notification number (Poland)         | c5d33d70-50a4-4c03-8a60-f63738426648      |  |
| SCIP notification number (Romania)        | 4502bac5-72d4-477b-b3cd-dc95431aefcc      |  |
| SCIP notification number (Sweden)         | c4d07446-a92f-44ee-9391-1702f52b6c79      |  |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | General approvals                                                 |
|    |                        | UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCA-<br>TIONS) |
|                                                                                                                                                                                                                                                            |                        | 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-AOM750                                               |



Declarations of conformity and manufacturer's declarations

| 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 Shipping                     | -                    | 25-0415412        |
| BSH<br>Bundesamt fuer Seeschiff-fahrt und Hydrographie | -                    | 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 Shipping                      | -                    | 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)         |
| INMETRO<br>TÜV Rheinland do Brasil Lt-da.                  | 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 750-554 |



| Documentation                    |         |                   |                                                         |                  |
|----------------------------------|---------|-------------------|---------------------------------------------------------|------------------|
| Manual                           |         |                   | System Description                                      |                  |
| Product Manual 2-channel, 4-20mA | V 1.3.0 | pdf<br>1905.51 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             |                  |
|-------------------------|------------|------------------|---------------------------------|------------------|
| 750-554                 | 19.02.2019 | xml<br>4.07 KB   | CCC Ex (Additional information) | pdf<br>159.76 KB |
| 750-554                 | 05.03.2019 | docx<br>16.75 KB |                                 |                  |
| ausschreiben.de 750-554 |            |                  |                                 |                  |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 750-554 | EPLAN Data Portal 750-554 |
|                      | WSCAD Universe 750-554    |
|                      | ZUKEN Portal 750-554      |

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

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

|                                                                                                                                                                                                                               |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; 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; unslopped; according to EN 60715; copper-colored                | <br><b>Item No.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; 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; unslopped; 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; unslopped; 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; slopped; 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; slopped; according to EN 60715; "Hole width 25 mm; silver-colored | <br><b>Item No.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; 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); Wx-HxD (160x100x160 mm); 9 x M12, 4 x M20



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



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



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



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



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



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



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



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



**Item No.: 850-836**  
IP65 enclosure; Polyester (RAL 7032); Wx-HxD (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); Wx-HxD (200x120x200 mm); without flange plate



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



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



**Item No.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (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)