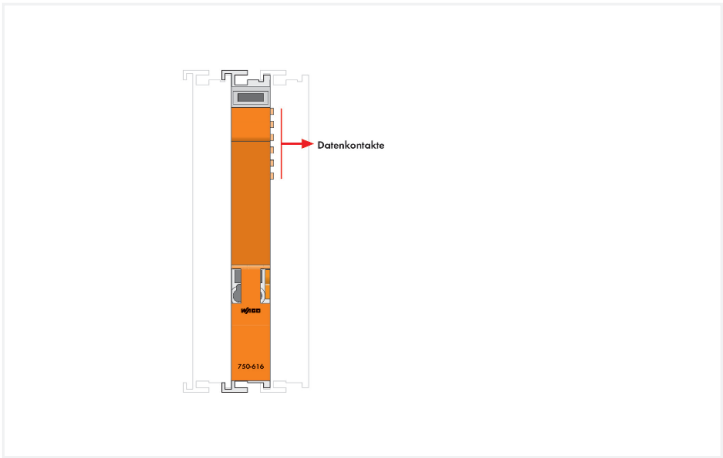
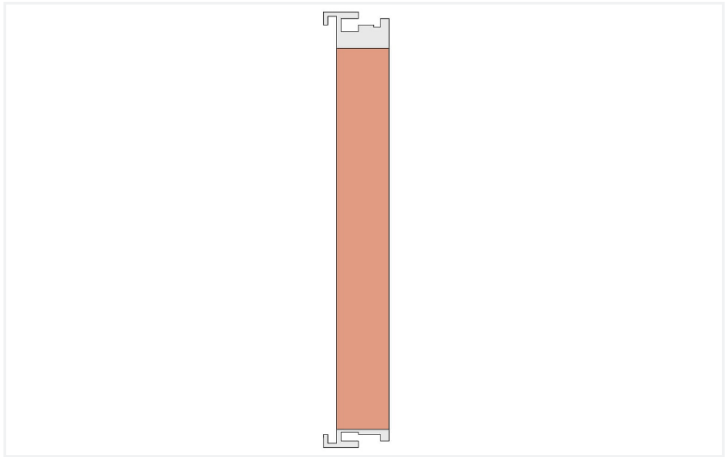




Color: ■ light gray



The separation module visually divides a fieldbus node into sections.

Separation module 750-616 has no power jumper contacts.

**Notice:**  
Operation of the adjacent I/O modules requires a supply module.

| Technical data                  |                          |
|---------------------------------|--------------------------|
| Supply voltage (system)         | 5 VDC; via data contacts |
| Connection data                 |                          |
| Connectable conductor materials | Copper                   |



| Physical data                     |                        |
|-----------------------------------|------------------------|
| Width                             | 12 mm / 0.472 inches   |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 69.8 mm / 2.748 inches |
| Depth from upper-edge of DIN-rail | 62.6 mm / 2.465 inches |

| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |

| Material data      |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 1.107 MJ                     |
| Weight             | 36 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) |
| eCl@ss 10.0           | 27-24-26-10     |
| eCl@ss 9.0            | 27-24-26-10     |
| ETIM 9.0              | EC001600        |
| ETIM 8.0              | EC001600        |
| PU (SPU)              | 1 pcs           |
| Packaging type        | Box             |
| Country of origin     | DE              |
| GTIN                  | 4045454393908   |
| Customs tariff number | 85389091890     |



| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                    |                        |                     | Declarations of conformity and manufacturer's declarations |          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|------------------------------------------------------------|----------|------------------|
|    |                        |                     |                                                            |          |                  |
| Approval                                                                                                                                                                                                                                             | Standard               | Certificate Name    | Approval                                                   | Standard | Certificate Name |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                           | TP TC 020/2011         | EAC CoC 03083       | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                              | Article 58-2, Clause 3 | MSIP-REM-W43-END750 | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS)                                                                                                                                                                                    | UL 508                 | E175199             |                                                            |          |                  |

| Approvals for marine applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                   | Approvals for hazardous areas                                                                                                                                                                                                                                                                                                                                                                                                  |                                 |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
|         |                        |                   |      |                                 |                                               |
| Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Standard               | Certificate Name  | Approval                                                                                                                                                                                                                                                                                                                                                                                                                       | Standard                        | Certificate Name                              |
| ABS<br>American Bureau of Ship-<br>ping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                      | 22-2219060        | ATEX<br>TUEV Nord Cert GmbH                                                                                                                                                                                                                                                                                                                                                                                                    | EN 60079-0                      | TUEV14ATEX148929X (II<br>3 G Ex ec IIC T4 Gc) |
| BSH<br>Bundesamt fuer See-<br>schifffahrt und Hydrogra-<br>phie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                      | 1104              | CCCEX<br>CQST/CNEX                                                                                                                                                                                                                                                                                                                                                                                                             | CNCA-C23-01                     | 2020312310000213 (Ex<br>ec IIC T4 Gc)         |
| BV<br>Bureau Veritas S.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                      | 13453/E0 BV       | IECEX<br>TUEV Nord Cert GmbH                                                                                                                                                                                                                                                                                                                                                                                                   | IEC 60079-0                     | IECEX TUN 14.0035 X (Ex<br>ec IIC T4 Gc)      |
| DNV<br>DNV GL SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DNV-CG-0339, Aug. 2021 | TAA0000194        | INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.                                                                                                                                                                                                                                                                                                                                                                                    | IEC 60079-0                     | TÜV 12.1297 X                                 |
| KR<br>Korean Register of Ship-<br>ping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                      | KR HMB05880-AC001 | KTL<br>Korea Testing Laboratory                                                                                                                                                                                                                                                                                                                                                                                                | KOSHA Article 34,<br>IEC60079-0 | 20-KA4BO-0100X                                |
| LR<br>Lloyds Register EMEA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                      | LR22180952TA      | UKEx<br>WAGO GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                                                                     | EN 60079-0                      | UKCA_WA<br>GO22UKEX003X_ec                    |
| PRS<br>Polski Rejestr Statków                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                      | TE/1101/880590/23 | UL<br>Underwriters Laboratories<br>Inc. (HAZARDOUS LOCA-<br>TIONS)                                                                                                                                                                                                                                                                                                                                                             | UL 121201                       | E198726                                       |
| RINA<br>RINA Germany GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                      | ELE343521XG001    |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                 |                                               |



| Downloads                                |  |  |                   |
|------------------------------------------|--|--|-------------------|
| Environmental Product Compliance         |  |  |                   |
| Compliance Search                        |  |  |                   |
| Environmental Product Compliance 750-616 |  |  | <a href="#">↓</a> |

| Documentation                    |                       |                                                         |                                 |
|----------------------------------|-----------------------|---------------------------------------------------------|---------------------------------|
| Manual                           |                       | System Description                                      |                                 |
| System Manual Series 750/753     |                       | 750/753 Series I/O-System – General Product Information | <a href="#">pdf 953.35 KB ↓</a> |
| Product Manual Separation module | V 1.0.4<br>05.12.2023 | pdf 1717.67 KB                                          | <a href="#">↓</a>               |
|                                  |                       | Overview on WAGO-I/O-SYSTEM 750 approvals               | <a href="#">pdf 770.48 KB ↓</a> |

| Bid Text |            | Instruction Leaflet             |                                            |
|----------|------------|---------------------------------|--------------------------------------------|
| 750-616  | 19.02.2019 | xml 3.18 KB                     | <a href="#">↓</a>                          |
| 750-616  | 06.10.2017 | doc 24.00 KB                    | <a href="#">↓</a>                          |
|          |            | CCC Ex (Additional information) | <a href="#">26.04.2023 pdf 159.76 KB ↓</a> |

| CAD/CAE-Data         |  |                           |                   |
|----------------------|--|---------------------------|-------------------|
| CAD data             |  | CAE data                  |                   |
| 2D/3D Models 750-616 |  | EPLAN Data Portal 750-616 | <a href="#">↓</a> |
|                      |  | WSCAD Universe 750-616    | <a href="#">↓</a> |
|                      |  | ZUKEN Portal 750-616      | <a href="#">↓</a> |

| Device Files                                       |                       |                |                   |
|----------------------------------------------------|-----------------------|----------------|-------------------|
| Device Driver                                      |                       |                |                   |
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>10.09.2014 | zip 4721.96 KB | <a href="#">↓</a> |



| 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



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 System enclosure

1.1.4.1 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