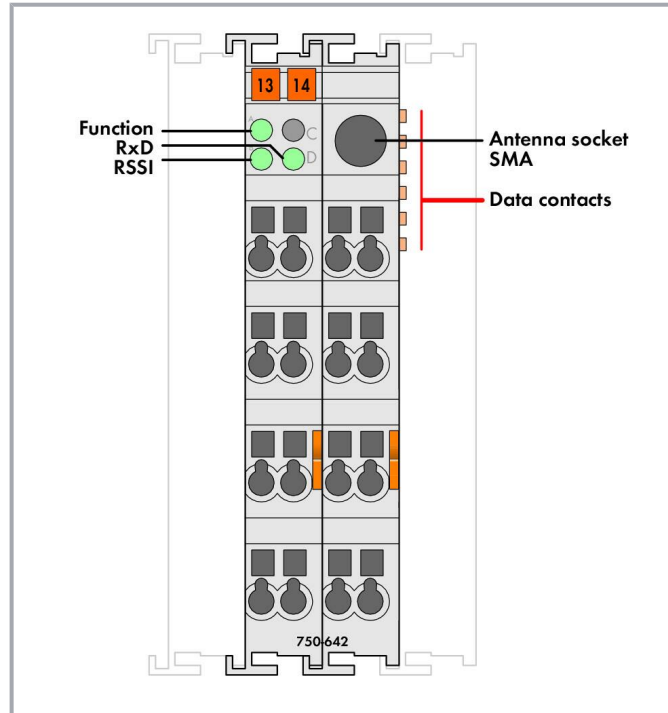
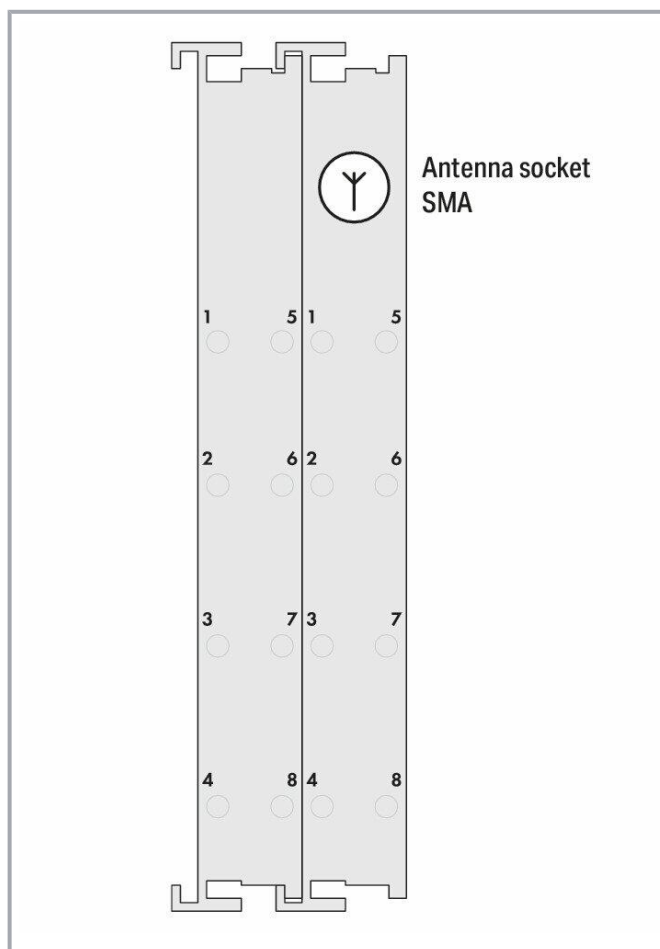
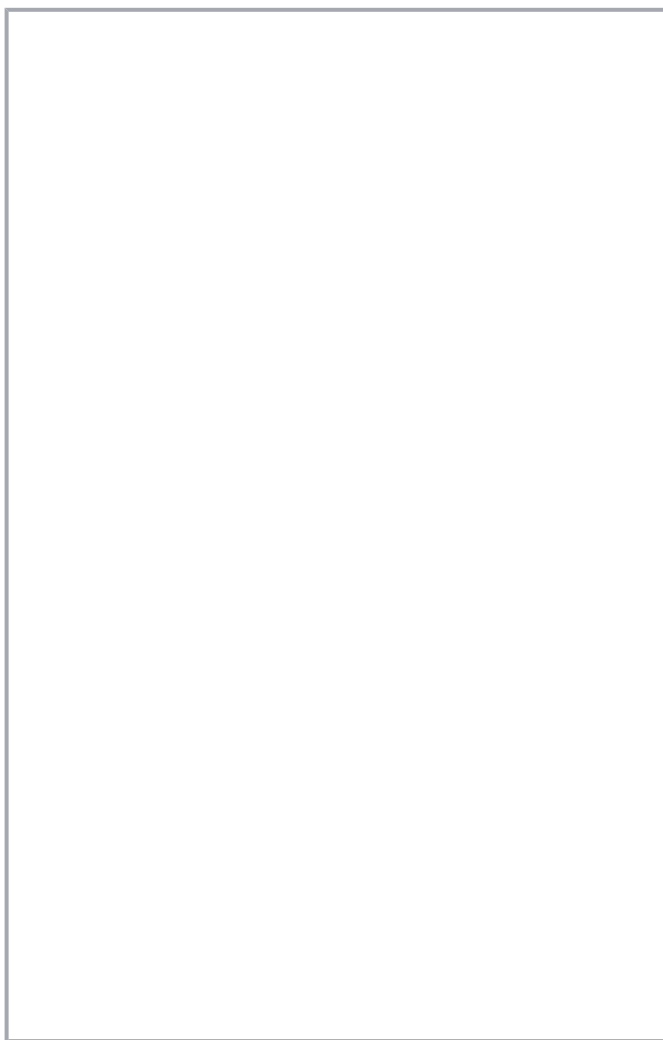




Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## Item description

The 750-642 Module receives radio telegrams from maintenance-free, self-powered and wireless switches/sensors based on EnOcean radio technology.

This module can be operated with any controller within the WAGO I/O System 750. Preprogrammed function blocks make integration easy.

The energy required for switch or sensor operation is produced by converting one type of energy (heat, solar or mechanical energy) into usable electrical energy. The radiated energy from the transmitter modules is approximately one million times smaller than mobile phones. Almost any number of sensors is possible. However, the maximum number is around 100 transmitters per module due to the increasing density of switches/sensors.

Four billion code numbers provide for clear transmitter/receiver assignment. Repeated, time-shifted transmission of the radio telegrams, at very short transmission times, results in a high level of protection against external interference.

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



The maximum transmission range is 300 meters in open field. Depending on building materials and spatial geometry, the range may be reduced to typically 30 meters (see manual for more information). The LED (RSSI) indicates a sufficient input level.

\*Documentation available in German and English.

An SMA socket is used to connect an external antenna to the housing. The external magnetic-mount antenna (758-910) features a 2.5 m long coaxial cable and SMA plug (available as an accessory).

#### Note:

The maximum range in the field decreases within buildings and varies depending on building materials and spatial geometry. Therefore, range specifications within buildings can only represent a typical value that can normally be achieved. More detailed information is available in the manual.

## Data

### Technical data

|                                       |                                                                      |
|---------------------------------------|----------------------------------------------------------------------|
| Radio technology                      | EnOcean                                                              |
| Frequency band                        | 868.3 MHz                                                            |
| Transmission range                    | up to 300 m in open spaces (typ. in buildings, see manual)           |
| Data width                            | 1 x 24-bit input/output (3-byte user data); 1 x 8-bit control/status |
| Supply voltage (system)               | 5 VDC; via data contacts                                             |
| Power consumption (5 V system supply) | 80 mA                                                                |
| Isolation                             | 500 V antenna connection/system                                      |

### Connection data

|                                |                |
|--------------------------------|----------------|
| Connection technology: antenna | 1 x SMA socket |
|--------------------------------|----------------|

### Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 24 mm / 0.945 inch   |
| Height                            | 100 mm / 3.937 inch  |
| Depth                             | 72 mm / 2.835 inch   |
| Depth from upper edge of DIN-rail | 64.8 mm / 2.551 inch |

### Mechanical data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

### Material data

|                  |                              |
|------------------|------------------------------|
| Color            | -                            |
| Housing material | Polycarbonate; polyamide 6.6 |

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



|                         |                                                |
|-------------------------|------------------------------------------------|
| Fire load               | 2.133 MJ                                       |
| Weight                  | 86.5 g                                         |
| Conformity marking      | CE                                             |
| Conformity marking RTTE | <a href="http://www.wago.com">www.wago.com</a> |

## Environmental requirements

|                                                                                    |                                       |
|------------------------------------------------------------------------------------|---------------------------------------|
| Surrounding air temperature (operation)                                            | 0 ... 55 °C                           |
| Surrounding air temperature (storage)                                              | -40 ... 85 °C                         |
| Protection type                                                                    | IP20                                  |
| Pollution degree (5)                                                               | 2 per IEC 61131-2                     |
| Operating altitude                                                                 | 0 ... 2000 m                          |
| Mounting position                                                                  | horizontal (standing/lying); vertical |
| 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                      |
| EMC emission of interference                                                       | per EN 61000-6-3                      |
| 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 (Remote I/O) |
| PU (SPU)              | 1 Stück         |
| Packaging type        | box             |
| Country of origin     | DE              |
| GTIN                  | 4045454509583   |
| Customs tariff number | 85389099990     |

## Approvals / Certificates

### Ex-Approvals

| Logo | Approval                    | Additional Approval Text | Certificate name            |
|------|-----------------------------|--------------------------|-----------------------------|
|      | ATEX<br>TUEV Nord Cert GmbH | EN 60079-0               | TÜV 07 ATEX<br>554086 X en. |

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|                                                                                                      |                                                                      |                |                                 |
|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------|---------------------------------|
| <br>Ex nA IIC T4 Gc | <b>CCCEx</b><br>CQST/CNEx                                            | CNCA-C23-01    | 2020312310000215                |
|                      | <b>EAC</b><br>Brjansker Zertifizierungsstelle                        | TP TC 012/2011 | EAC RU C-DE.AM02.<br>B.00163/19 |
|                                                                                                      | <b>INMETRO</b><br>TÜV Rheinland do Brasil Ltda.                      | IEC 60079      | BR-Ex_TÜV 12.1297<br>X          |
|                      | <b>TÜEV Nord</b><br>TUEV Nord Cert GmbH                              | IEC 60079-0    | IECEX TUN 09.0001<br>X          |
|                      | <b>UL</b><br>Underwriters Laboratories Inc. (HAZARDOUS<br>LOCATIONS) | UL 121201      | E198726 Sec.1                   |

## Country specific Approvals

| Logo                                                                              | Approval                                    | Additional Approval Text | Certificate name            |
|-----------------------------------------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------|
|  | <b>KC</b><br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>RFM750 |

## UL-Approvals

| Logo                                                                               | Approval                                                               | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------|------------------|
|  | <b>UL</b><br>UL International Netherlands B.V. (ORDINARY<br>LOCATIONS) | UL 508                   | E175199<br>Sec.1 |

## Optional accessories

## General accessories

|                                                                                   |                                                                                   |                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 758-910</b><br>Magnetic foot antenna, GSM 900/1800; External antenna | <a href="http://www.wago.com/758-910">www.wago.com/758-910</a> |
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## Marking accessories

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WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
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|   |                                                                                                                                                   |                                                                                  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| ✓ | <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          | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>                 |
| ✓ | <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 | <a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a> |
| ✓ | <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    | <a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a> |
| ✓ | <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   | <a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a> |
| ✓ | <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   | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a> |
| ✓ | <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 | <a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a> |
| ✓ | <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  | <a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a> |
| ✓ | <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 | <a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a> |
| ✓ | <b>Item no.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                           | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>                   |
|   | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                  | <a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>   |
|   | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>   |
|   | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                    | <a href="http://www.wago.com/248-501/000-006">www.wago.com/248-501/000-006</a>   |
|   | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                    | <a href="http://www.wago.com/248-501/000-007">www.wago.com/248-501/000-007</a>   |
|   | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                  | <a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a>   |

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WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
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 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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|                                                                                   |                                                                                                                                                      |                                                                                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|    | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                                | <a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a> |
|    | <b>Item no.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                      | <a href="http://www.wago.com/248-501/000-023">www.wago.com/248-501/000-023</a> |
|    | <b>Item no.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                     | <a href="http://www.wago.com/248-501/000-024">www.wago.com/248-501/000-024</a> |
|    | <b>Item no.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                                    | <a href="http://www.wago.com/750-100">www.wago.com/750-100</a>                 |
|                                                                                   | <b>Item no.: 750-103</b><br>Group marker carrier                                                                                                     | <a href="http://www.wago.com/750-103">www.wago.com/750-103</a>                 |
|    | <b>Item no.: 750-106</b><br>Group marker carrier                                                                                                     | <a href="http://www.wago.com/750-106">www.wago.com/750-106</a>                 |
| <b>Carrier rail</b>                                                               |                                                                                                                                                      |                                                                                |
|    | <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 | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a>                 |
|   | <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                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a>                 |
|  | <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                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a>                 |
|  | <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 | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a>                 |
|  | <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                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a>                 |
|  | <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               | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a>                 |
|  | <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                     | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a>                 |
|  | <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                | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a>                 |
|  | <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        | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a>                 |
|  | <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      | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a>                 |

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WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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|                                                                                 |                                                                                                                                                |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <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 | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                                                                                              |                                                                |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <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 | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

#### Shield termination

|                                                                                 |                                                                                                              |                                                                |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-108</b><br>Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm | <a href="http://www.wago.com/790-108">www.wago.com/790-108</a> |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                                                               |                                                                |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-116</b><br>Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm | <a href="http://www.wago.com/790-116">www.wago.com/790-116</a> |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                                                               |                                                                |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-124</b><br>Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm | <a href="http://www.wago.com/790-124">www.wago.com/790-124</a> |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                                      |                                                                |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-140</b><br>Shield clamping saddle; diameter of compatible conductor | <a href="http://www.wago.com/790-140">www.wago.com/790-140</a> |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                              |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-208</b><br>Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm | <a href="http://www.wago.com/790-208">www.wago.com/790-208</a> |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                               |                                                                |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-216</b><br>Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm | <a href="http://www.wago.com/790-216">www.wago.com/790-216</a> |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                 |                                                                             |                                                                |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 790-220</b><br>Shield clamping saddle; 30 mm wide; 6 ... 20 mm | <a href="http://www.wago.com/790-220">www.wago.com/790-220</a> |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------|

#### System housing

|                                                                                   |                                                                                                                          |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 850-814/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate | <a href="http://www.wago.com/850-814/002-000">www.wago.com/850-814/002-000</a> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                                   |                                                                                                                          |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 850-815/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate | <a href="http://www.wago.com/850-815/002-000">www.wago.com/850-815/002-000</a> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                                   |                                                                                                                          |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 850-816/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate | <a href="http://www.wago.com/850-816/002-000">www.wago.com/850-816/002-000</a> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                                   |                                                                                                                          |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 850-817/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate | <a href="http://www.wago.com/850-817/002-000">www.wago.com/850-817/002-000</a> |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

|                                                                                   |                                                                                                            |                                                                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 850-825</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20 | <a href="http://www.wago.com/850-825">www.wago.com/850-825</a> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                                   |                                                                                                                                 |                                                                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 850-826</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip | <a href="http://www.wago.com/850-826">www.wago.com/850-826</a> |
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**Item no.: 850-826/002-000**

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|                                  |                                                                                                      |                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                  | IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip  | <a href="http://www.wago.com/850-826/002-000">www.wago.com/850-826/002-000</a> |
| <b>Item no.: 850-827</b>         |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip  | <a href="http://www.wago.com/850-827">www.wago.com/850-827</a>                 |
| <b>Item no.: 850-827/002-000</b> |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip  | <a href="http://www.wago.com/850-827/002-000">www.wago.com/850-827/002-000</a> |
| <b>Item no.: 850-828</b>         |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip | <a href="http://www.wago.com/850-828">www.wago.com/850-828</a>                 |
| <b>Item no.: 850-828/002-000</b> |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip | <a href="http://www.wago.com/850-828/002-000">www.wago.com/850-828/002-000</a> |
| <b>Item no.: 850-834</b>         |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20                       | <a href="http://www.wago.com/850-834">www.wago.com/850-834</a>                 |
| <b>Item no.: 850-835</b>         |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip  | <a href="http://www.wago.com/850-835">www.wago.com/850-835</a>                 |
| <b>Item no.: 850-836</b>         |                                                                                                      |                                                                                |
|                                  | IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip  | <a href="http://www.wago.com/850-836">www.wago.com/850-836</a>                 |

## Downloads

### Documentation

#### Manual

|                                                                                |                         |               |          |
|--------------------------------------------------------------------------------|-------------------------|---------------|----------|
| EnOcean Radio Receiver                                                         | V 1.1.0                 | pdf<br>1.1 MB | Download |
| System Manual WAGO I/O System 750 / 753<br>Decentralized Automation Technology | V 3.0.2<br>2021. 4. 27. | pdf<br>6.6 MB | Download |
| System Manual Series 750/753<br>Online HTML                                    |                         | URL           | Download |

#### Bid Text

|                         |               |                 |          |
|-------------------------|---------------|-----------------|----------|
| 750-642<br>doc - Datei  | 2017. 10. 16. | doc<br>27.1 kB  | Download |
| 750-642<br>docx - Datei | 2017. 10. 16. | docx<br>16.2 kB | Download |

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## System Description

|                                                                                        |         |                 |          |
|----------------------------------------------------------------------------------------|---------|-----------------|----------|
| Radio Technology – General Product Information                                         |         | pdf<br>516.6 kB | Download |
| Use in Hazardous Environments<br>Term definition, marking and installation regulations | V 1.0.0 | pdf<br>1.0 MB   | Download |
| Overview on WAGO-I/O-SYSTEM 750 approvals                                              |         | pdf<br>780.2 kB | Download |
| 750/753 Series I/O-System – General Product Information                                |         | pdf<br>1.7 MB   | Download |

## Additional Information

|                                                          |         |                 |          |
|----------------------------------------------------------|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf<br>265.8 kB | Download |
|----------------------------------------------------------|---------|-----------------|----------|

## Application Notes

### Application Note CoDeSys 2.3

|                                                                                                                                                                                                                   |                             |                 |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------|----------|
| Application Note: EnOcean_06 Library<br>This application note describes how communication between the WAGO-I/O-SYSTEM and different EnOcean wireless sensors can be implemented using the EnOcean_06.lib library. | 30.11.2016<br>2016. 11. 30. | zip<br>842.0 kB | Download |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------|----------|

## Libraries

### e!COCKPIT libraries

|                                              |                         |               |          |
|----------------------------------------------|-------------------------|---------------|----------|
| e!COCKPIT Library Description WagoAppEnOcean | 1.1.3.2<br>2021. 5. 25. | pdf<br>4.0 MB | Download |
|----------------------------------------------|-------------------------|---------------|----------|

### Library

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|----------|
| Libraries for Building Automation CODESYS 2.3<br>This zip file contains WAGO I / O PRO libraries for building automation. Blocks are available for the following applications: - DALI - DALI sensors - DALI Color Control - DALI Emergency Lighting - EnOcean - SMI - HVAC / HVAC functions - General building functions such as blinds, dimmers, impulse switches - Scheduler - KNX function blocks - BACnet - WINSTA blind box - DMX - Elsner weather station - M-Bus, MBus - MP-Bus, MPBus - Romutec handset - Thermokon Thanos room thermostat - | 2021-08-13<br>2021. 8. 13. | zip<br>76.0 MB | Download |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|----------|

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WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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Thermokon WRF04 room thermostat - Thermokon WRF06 room thermostat -  
 Thermokon WRF07 room thermostat - Thermokon WRF08 room thermostat - 3-  
 phase Power measuring module 750-493 - LON - Grundfos pumps with GENIbus  
 interface - EAP Modbus® room control units - Conversion of color formats -  
 "robutecheasy" modules - Schüco TipTronic group control units - Weather station  
 Thies

## CAD/CAE-Data

### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 750-642 | URL | Download |
|----------------------|-----|----------|

### CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 750-642 | URL | Download |
| WSCAD Universe 750-642    | URL | Download |
| ZUKEN Portal 750-642      | URL | Download |

## Device Files

### Device Driver

|                                                    |                         |               |          |
|----------------------------------------------------|-------------------------|---------------|----------|
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0<br>2014. 9. 10. | zip<br>4.8 MB | Download |
|----------------------------------------------------|-------------------------|---------------|----------|

## Environmental Product Compliance

### Compliance Search

|                                          |     |          |
|------------------------------------------|-----|----------|
| Environmental Product Compliance 750-642 | URL | Download |
| Radio Receiver EnOcean                   |     |          |

## Installation Notes

## Product family

**750/753 Series I/O System**  
[Show all products from the family](#)

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WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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