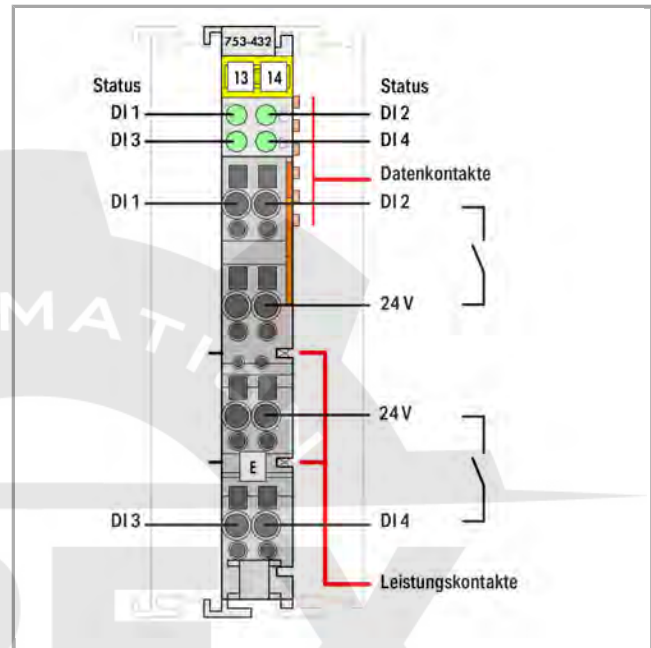
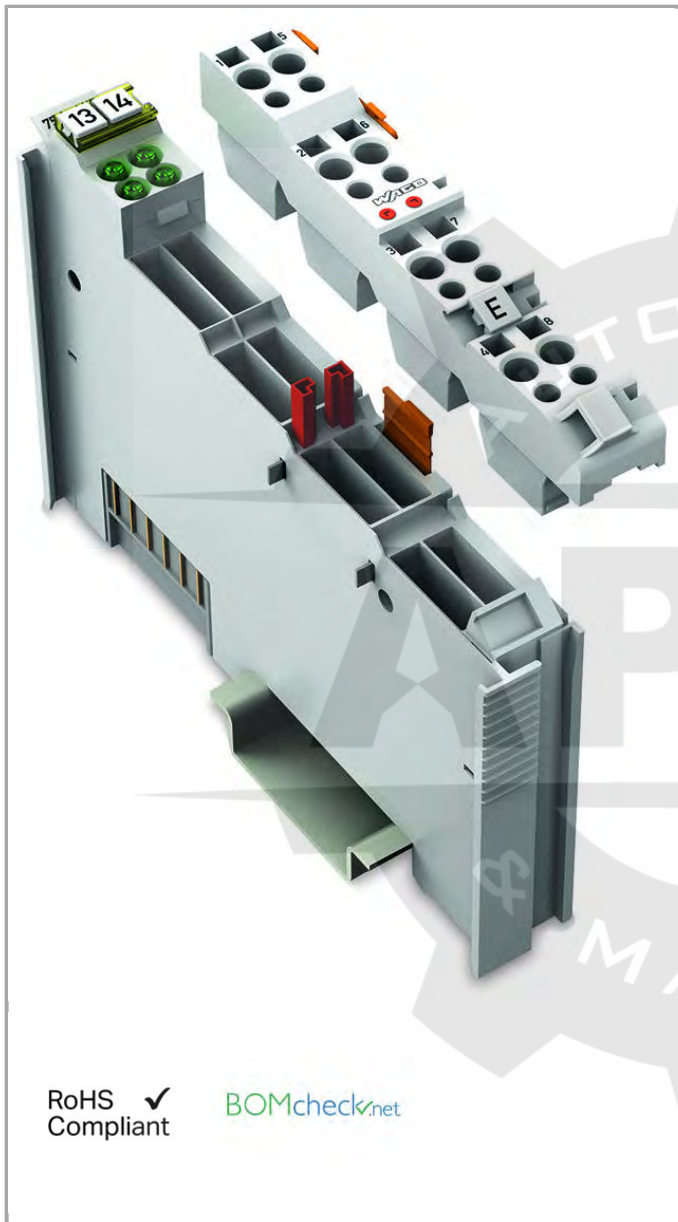
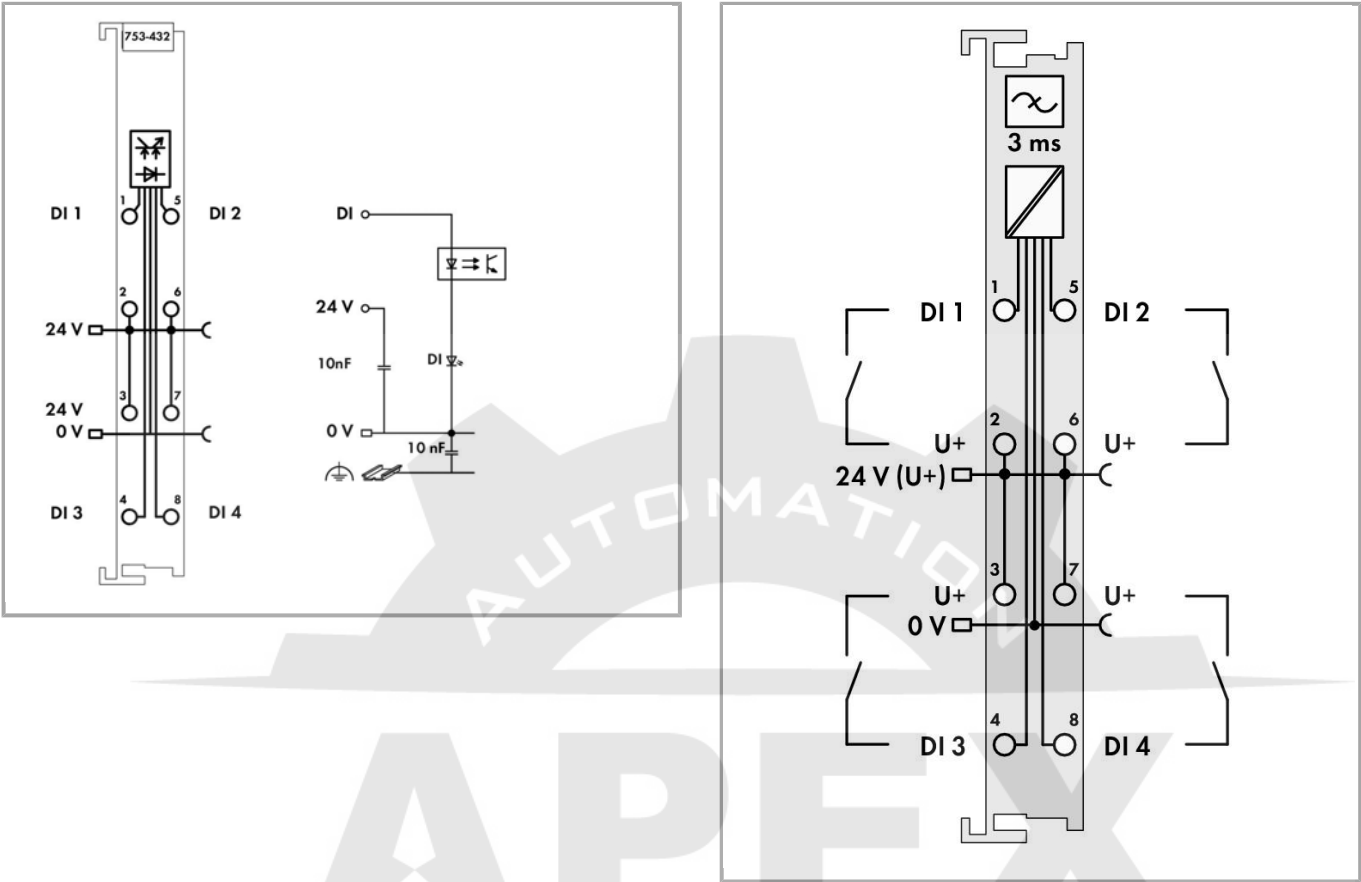




RoHS   
Compliant

[BOMcheck.net](https://www.bomcheck.net)



Item description

This digital input module receives control signals from digital field devices (e.g., sensors).

The module is a 4-input channel, 2-conductor device. Due to its four 24 V connections, four sensors may be directly connected to it.

Each input module has a noise-rejection filter.

Field and system levels are electrically isolated.

Note:

WAGO's 753 Series Pluggable Connectors and Coding Fingers are not included.

Data  
Technical Data

|                                   |                   |
|-----------------------------------|-------------------|
| Number of digital inputs          | 4                 |
| Total number of channels (module) | 4                 |
| Type of signal                    | Voltage           |
| Sensor supply voltage             | DC 24 V           |
| Sensor connection                 | 4 x (2-conductor) |

|                                                        |                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Input characteristic                                   | high-side switching                                                                                               |
| Input filter (digital)                                 | 3 ms                                                                                                              |
| Input current per channel for signal (1) typ.          | 4.5 mA                                                                                                            |
| Voltage range for signal (0)                           | -3 ... +5 VDC                                                                                                     |
| Voltage range for signal (1)                           | 15 ... 30 VDC                                                                                                     |
| Max input data width (internal)                        | 4 Bit                                                                                                             |
| System supply voltage                                  | DC 5 V; via data contacts                                                                                         |
| Current consumption, system supply (5 V)               | 5.5 mA                                                                                                            |
| System and sensor supply voltage                       | )                                                                                                                 |
| Field supply voltage                                   | DC 24 V (-25 ... +30 %); über Leistungskontakte (Einspeisung über Messerkontakt; Weiterleitung über Federkontakt) |
| Isolation field – system                               | 500 VAC (1 min)                                                                                                   |
| Indicators                                             | LED (A-D) green: Status DI 1 ... DI 4                                                                             |
| Number of incoming power jumper contacts               | 2                                                                                                                 |
| Number of outgoing power jumper contacts               | 2                                                                                                                 |
| Current carrying capacity of the power jumper contacts | 10 A                                                                                                              |

### Connection data

|                                    |                                  |
|------------------------------------|----------------------------------|
| Connection technology: In-/Outputs | 8 x CAGE CLAMP®                  |
| Connection type (1)                | 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                       | 9 ... 10 mm / 0.35 ... 0.39 inch |

### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 12 mm / 0.472 inch   |
| Height                                | 69.8 mm / 2.748 inch |
| Height from upper-edge of DIN-35 rail | 62.6 mm / 2.465 inch |
| Depth                                 | 100 mm / 3.937 inch  |

### Mechanical data

|                     |             |
|---------------------|-------------|
| Type of mounting    | DIN-35 rail |
| Pluggable connector | yes         |

### Material Data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate, polyamide 6.6 |
| Fire load          | 0.966 MJ                     |
| Weight             | 37.746 g                     |
| Conformity marking | 1                            |

## Environmental Requirements

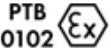
|                                                                                    |                                           |
|------------------------------------------------------------------------------------|-------------------------------------------|
| Surrounding air (operating) temperature                                            | 0 ... 55 °C                               |
| Surrounding air (storage) temperature                                              | -40 ... 85 °C                             |
| Protection class                                                                   | IP20                                      |
| Degree of pollution (5)                                                            | 2 per IEC 61131-2                         |
| Operating altitude                                                                 | 0 ... 2000 m                              |
| Mounting position                                                                  | horizontal (standing/lying) or vertical   |
| Relative air humidity (no condensation)                                            | 95 %                                      |
| Vibration resistance                                                               | 4g per IEC 60068-2-6                      |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                    |
| EMC immunity to interference                                                       | acc. to EN 61000-6-2, marine applications |
| EMC emission of interference                                                       | acc. to EN 61000-6-3, marine applications |
| Exposure to pollutants                                                             | Per IEC 60068-2-42 and IEC 60068-2-43     |
| Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 % | 10 ppm                                    |
| Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %  | 25 ppm                                    |

## Commercial data

|                    |                 |
|--------------------|-----------------|
| Product Group      | 15 (Remote I/O) |
| Country of origin  | DE              |
| GTIN               | 4045454495633   |
| Customs Tariff No. | 85389099990     |

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                               | Approval                                                   | Additional Approval Text | Certificate name                  |
|------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------|-----------------------------------|
|  | ATEX<br>TUEV Nord Cert GmbH                                | EN 60079-0               | TÜV 07<br>ATEX<br>554086 X<br>en. |
|  | TUEV Nord<br>TUEV Nord Cert GmbH                           | IEC 60079-0              | IECEX<br>TUN<br>09.0001 X         |
|  | UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | ANSI/ISA 12.12.01        | E198726<br>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>DIM750 |

#### Ship Approvals

| Logo                                                                               | Approval                                                | Additional Approval Text | Certificate name      |
|------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|-----------------------|
|    | <b>ABS</b><br>American Bureau of Shipping               | -                        | 19-<br>HG1821926      |
|    | <b>BV</b><br>Bureau Veritas S.A.                        | -                        | 13453/DO BV           |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAA0000194            |
|  | <b>KR</b><br>Korean Register of Shipping                | -                        | HMB05880-<br>AC001    |
|  | <b>LR</b><br>Lloyds Register                            | -                        | 02/20026 (E5)         |
|  | <b>PRS</b><br>Polski Rejestr Statków                    | -                        | TE/2236<br>/880590/19 |
|  | <b>RINA</b><br>RINA Germany GmbH                        | -                        | ELE134212XG           |

#### UL-Approvals

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

## Compatible products

## shield connection

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

## Marking accessories

|                                                                                    |                                                                                                                               |                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
|  | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | 2009-145             |
|  | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-002 |
|  | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-005 |
|  | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-006 |
|  | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-007 |
|  | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-012 |
|  | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-145<br>/000-023 |

|                                                                                    |                                                                                                                                     |                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type       | 2009-145<br>/000-024 |
|    | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card        | 248-501              |
|    | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-002  |
|    | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-005  |
|    | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-006  |
|    | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-007  |
|    | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-012  |
|  | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-017  |
|  | <b>Item no.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-023  |
|  | <b>Item no.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                            | 248-501<br>/000-024  |
|  | <b>Item no.: 709-198</b><br>Marking strips                                                                                          | 709-198              |
|  | <b>Item no.: 750-100</b><br>Marker card; as a DIN A4 sheet; plain                                                                   | 750-100              |
|  | <b>Item no.: 750-103</b><br>Group marker carrier                                                                                    | 750-103              |
|  | <b>Item no.: 750-106</b><br>Group marker carrier                                                                                    | 750-106              |
| <b>system box</b>                                                                  |                                                                                                                                     |                      |
|  | <b>Item no.: 850-804</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip         | 850-804              |
|  | <b>Item no.: 850-804/000-001</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | 850-804<br>/000-001  |



**Item no.: 850-805**

IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip

850-805

**Item no.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

/002-000

850-814

**Item no.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

/002-000

850-815

**Item no.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

/002-000

850-816

**Item no.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

/002-000

850-817

**Item no.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

850-825

**Item no.: 850-826**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

850-826

**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

/002-000

850-826

**Item no.: 850-827**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

850-827

**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

/002-000

850-827

**Item no.: 850-828**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

850-828

**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

/002-000

850-828

**Item no.: 850-834**

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

850-834

**Item no.: 850-835**

IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

850-835

**Item no.: 850-836**

IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

850-836

**pluggable wiring tier****Item no.: 753-110**

Plug

753-110





**Item no.: 753-150**  
753 Series coding elements

753-150

## Carrier rail



**Item no.: 210-112**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

210-112



**Item no.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

210-113



**Item no.: 210-114**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

210-114



**Item no.: 210-115**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

210-115



**Item no.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-118



**Item no.: 210-196**  
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715

210-196



**Item no.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

210-197



**Item no.: 210-198**  
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-198



**Item no.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

210-504



**Item no.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715

210-505



**Item no.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715

210-506



**Item no.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

210-508

## Supply module



**Item no.: 750-601**  
Power Supply; 24 VDC

750-601



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

750-602



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

750-610



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

750-612



**Item no.: 753-602**  
Power Supply; 24 VDC

753-602



**Item no.: 753-612**  
Power Supply; 0 ... 230 V AC/DC

753-612



## Downloads

## Documentation

## Manual

|                                                                   |         |               |          |
|-------------------------------------------------------------------|---------|---------------|----------|
| 4-channel, 24VDC, 3.0ms<br>2-wire connection; high-side switching | V 1.2.0 | pdf<br>2.3 MB | Download |
|-------------------------------------------------------------------|---------|---------------|----------|

## Bid Text

|                    |             |                |          |
|--------------------|-------------|----------------|----------|
| 753-432<br>IO, 753 | Oct 6, 2014 | doc<br>26.6 kB | Download |
|--------------------|-------------|----------------|----------|

## Additional Information

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

## System Description

|                                                         |  |                 |          |
|---------------------------------------------------------|--|-----------------|----------|
| 750/753 Series I/O-System – General Product Information |  | pdf<br>1.7 MB   | Download |
| Overview on WAGO-I/O-SYSTEM 750 approvals               |  | pdf<br>780.2 kB | Download |

## CAD/CAE - Smart Data

## CAD data

|                     |     |          |
|---------------------|-----|----------|
| 3D Download 753-432 | URL | Download |
|---------------------|-----|----------|

## Product family

**750/753 Series I/O-System**  
[Learn more about the product family.](#)

[Show all products from the family](#)

Subject to changes.