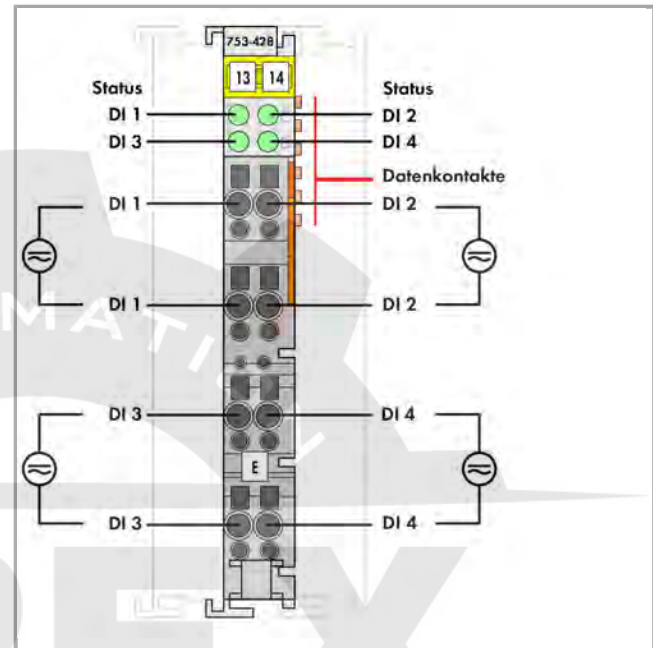
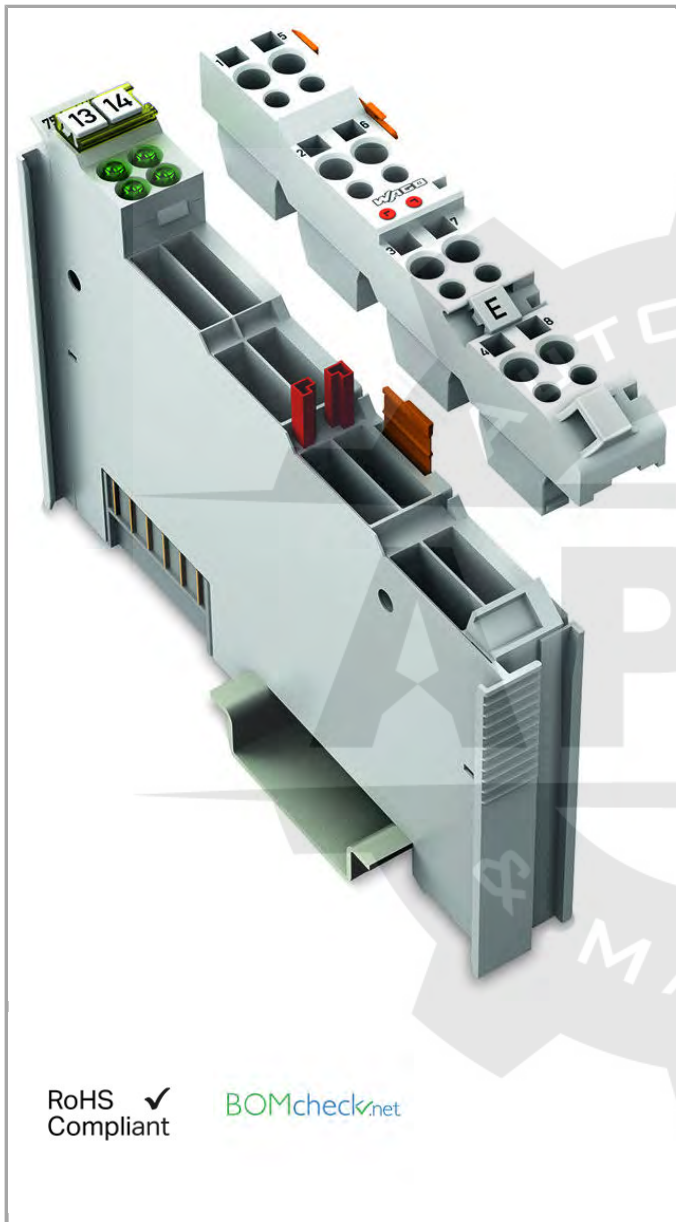
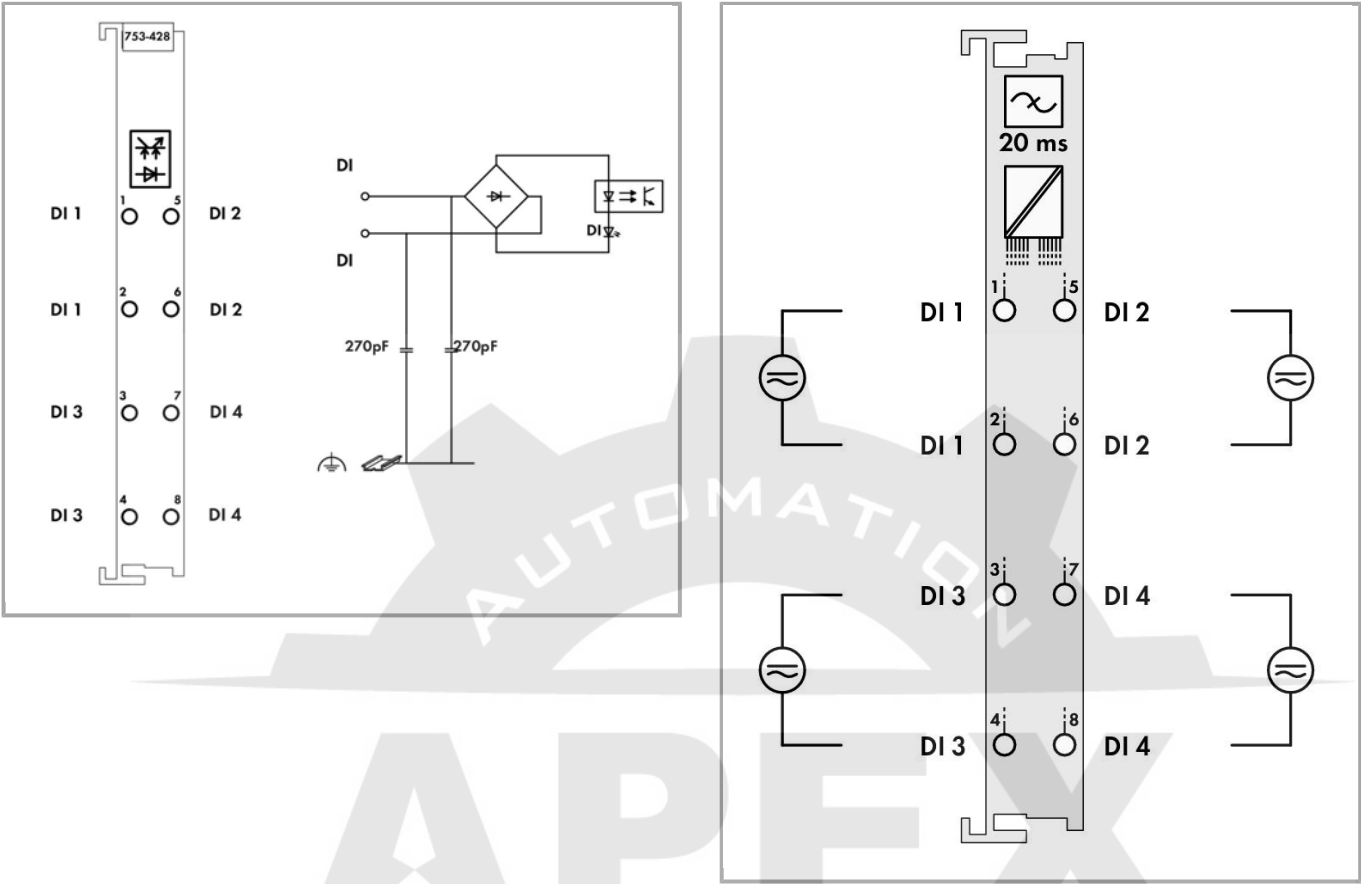




RoHS  
Compliant

BOMcheck.net



Item description

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

Each input module has a noise-rejection filter with a time constant.

Field and system levels are electrically isolated.

All inputs are 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 connection                 | 4 x (2-conductor)   |
| Input characteristic              | high-side switching |

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| Input filter (digital)                   | 20 ms                                 |
| Input current typ.                       | 3.6 mA DC; 6.0 mA AC                  |
| Voltage range for signal (0)             | -3 ... +10 VDC; 0 ... 10 VAC          |
| Voltage range for signal (1)             | 30 ... 53 VDC; 30 ... 53 VAC          |
| Max input data width (internal)          | 4 Bit                                 |
| System supply voltage                    | DC 5 V; via data contacts             |
| Current consumption, system supply (5 V) | 5 mA                                  |
| Isolation field – system                 | 500 VAC (1 min)                       |
| Indicators                               | LED (A-D) green: Status DI 1 ... DI 4 |

### 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 |
| Weight             | 42.97 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      |

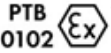
|                                                                                    |                                         |
|------------------------------------------------------------------------------------|-----------------------------------------|
| Mounting position                                                                  | horizontal (standing/lying) or vertical |
| Relative air humidity (no condensation)                                            | 95 %                                    |
| Vibration resistance                                                               | acc. to IEC 60068-2-6                   |
| Shock resistance                                                                   | 15g per IEC 60068-2-27                  |
| EMC immunity to interference                                                       | acc. to EN 61000-6-2                    |
| EMC emission of interference                                                       | acc. to EN 61000-6-4                    |
| 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               | 4050821351184   |
| 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            |
|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|-----------------------------|
|  | KC<br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>DIM750 |

## UL-Approvals

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

## Compatible products

## Supply module

|                                                                                   |                                                      |         |
|-----------------------------------------------------------------------------------|------------------------------------------------------|---------|
|   | Item no.: 750-612<br>Power Supply; 0 ... 230 V AC/DC | 750-612 |
|  | Item no.: 753-612<br>Power Supply; 0 ... 230 V AC/DC | 753-612 |

## shield connection

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

## system box

|                                                                                    |                                                                                                                              |         |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------|
|  | Item no.: 850-804<br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip         | 850-804 |
|  | Item no.: 850-804/000-001<br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | 850-804 |

**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

**Marking accessories****Item no.: 2009-145**

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 | /0000-002 | 2009-145 |
|    | <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 | /0000-005 | 2009-145 |
|    | <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 | /0000-006 | 2009-145 |
|    | <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 | /0000-007 | 2009-145 |
|    | <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 | /0000-012 | 2009-145 |
|    | <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  | /0000-023 | 2009-145 |
|    | <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 | /0000-024 | 2009-145 |
|   | <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                      | /0000-002 | 248-501  |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-005 | 248-501  |
|  | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-006 | 248-501  |
|  | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-007 | 248-501  |
|  | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-012 | 248-501  |
|  | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-017 | 248-501  |
|  | <b>Item no.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-023 | 248-501  |





**Item no.: 248-501/000-024**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type

248-501

/000-024



**Item no.: 709-198**  
Marking strips

709-198



**Item no.: 750-100**  
Marker card; as a DIN A4 sheet; plain

750-100



**Item no.: 750-103**  
Group marker carrier

750-103



**Item no.: 750-106**  
Group marker carrier

750-106

## 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





## Downloads

## Documentation

## Manual

|                                           |         |                 |          |
|-------------------------------------------|---------|-----------------|----------|
| 4-channel, 42V AC/DC<br>2-wire connection | V 1.0.3 | pdf<br>243.7 kB | Download |
|-------------------------------------------|---------|-----------------|----------|

## Bid Text

|                    |             |                |          |
|--------------------|-------------|----------------|----------|
| 753-428<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 753-428 | 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.