

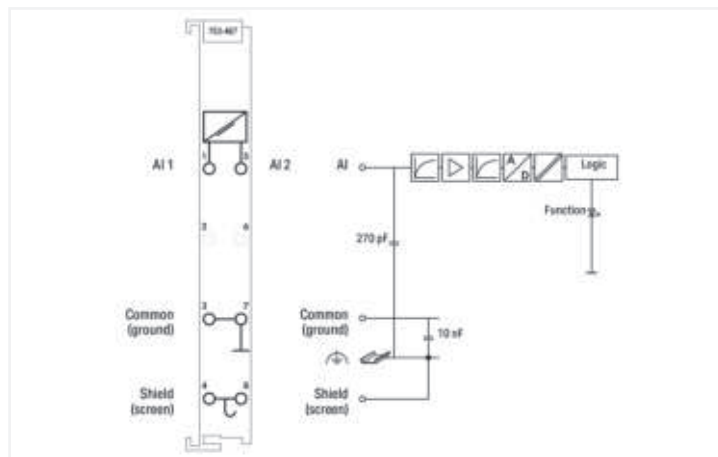
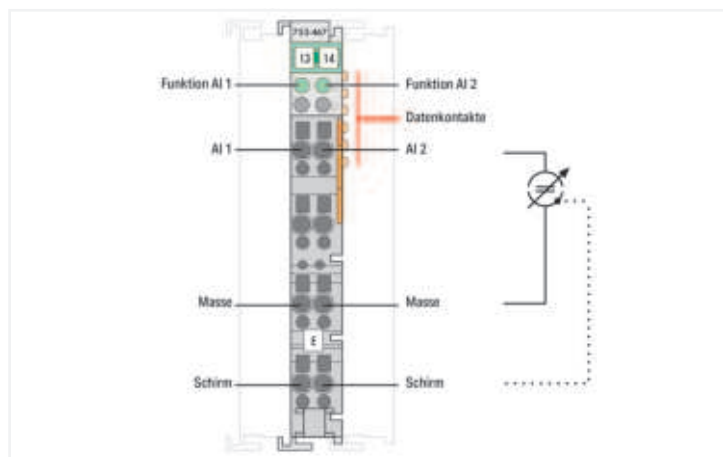
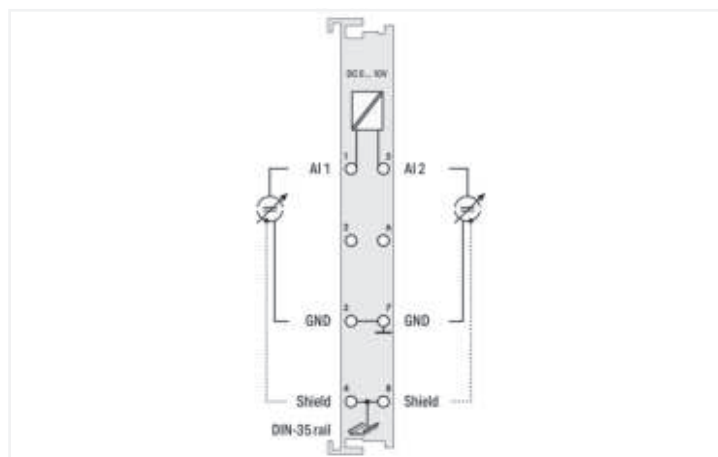
## Data Sheet | Item Number: 753-467

2-channel analog input; 0 ... 10 VDC; Single-ended

<https://www.wago.com/753-467>



Color: ■ light gray



This analog input module processes standard 0–10 V signals.  
The input signal is electrically isolated and is transmitted with a resolution of 12 bits.  
The internal system supply powers the module.  
The input channels of the module have a common ground potential.  
The shield directly connects to the DIN-rail.

### Notes

Note

Pluggable connectors and coding fingers (753 Series) are not included.

### Technical data

|                                                                |                                                      |
|----------------------------------------------------------------|------------------------------------------------------|
| Number of analog inputs                                        | 2                                                    |
| Total number of channels (module)                              | 2                                                    |
| Signal type                                                    | Voltage                                              |
| Signal type (voltage)                                          | 0 ... 10 VDC                                         |
| Sensor connection                                              | 2 x (2-wire)                                         |
| Input voltage (max.)                                           | 35 V                                                 |
| Signal characteristics                                         | Single-ended                                         |
| Resolution [bit]                                               | 12 bits                                              |
| Data width                                                     | 2 x 16-bit data; 2 x 8-bit control/status (optional) |
| Internal resistance                                            | 130 kΩ                                               |
| Conversion time (typ.)                                         | 2 ms                                                 |
| Measurement error (reference temperature)                      | 25 °C                                                |
| Measurement error, deviation (max.) from the upper-range value | 0.2 %                                                |
| Temperature error (max.) of the upper-range value              | 0.01 %/K                                             |
| Supply voltage (system)                                        | 5 VDC; via data contacts                             |
| Current consumption (system supply)                            | 60 mA                                                |
| Isolation                                                      | 500 V system/field                                   |
| Indicators                                                     | LED (A, C) green: Function AI 1, AI 2                |

### Connection Data

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Connection technology: I/O      | 6 x CAGE CLAMP®                              |
| Connectable conductor materials | Copper                                       |
| Connection type                 | Inputs/outputs                               |
| Solid conductor                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Fine-stranded conductor         | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG |
| Strip length                    | 9 ... 10 mm / 0.35 ... 0.39 inches           |

### Physical data

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

### Mechanical data

|                     |             |
|---------------------|-------------|
| Mounting type       | DIN-35 rail |
| Pluggable connector | pluggable   |

### Material data

|                    |                              |
|--------------------|------------------------------|
| Color              | light gray                   |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.773 MJ                     |
| Weight             | 40 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                                                               | 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 61000-6-4                                                                                       |
| 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 (I/O System) |
| PU (SPU)              | 1 pcs           |
| Packaging type        | Box             |
| Country of origin     | DE              |
| GTIN                  | 4045454394486   |
| Customs tariff number | 85437090990     |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32101502             |
| eCl@ss 10.0            | 27-24-26-01          |
| eCl@ss 9.0             | 27-24-26-01          |
| ETIM 9.0               | EC001596             |
| ETIM 10.0              | EC001596             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance          |                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------|
| CAS-No.                                   | 1303-86-2<br>1317-36-8<br>25550-51-0<br>7439-92-1                                           |
| REACH Candidate List Substance            | 4-Methyl-1,2-cyclohexanedicarboxylic anhydride<br>Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status                    | Compliant,With Exemption                                                                    |
| RoHS Exemption                            | 7(c)-I                                                                                      |
| SCIP notification number (Austria)        | 17daabe6-8ae6-4530-b300-d57a9b24de41                                                        |
| SCIP notification number (Belgium)        | b3f1c3ad-5eb0-4578-bc0a-2f9bcef302d9                                                        |
| SCIP notification number (Bulgaria)       | fca1075c-04c4-4bf1-a1d4-474daeb3a023                                                        |
| SCIP notification number (Czech Republic) | e2e54317-76f8-4363-8c6c-03d65966f216                                                        |
| SCIP notification number (Denmark)        | 2ea724bb-8a2b-4412-8677-dba87838dfe0                                                        |
| SCIP notification number (Finland)        | b29ded38-abed-431c-923a-2f37649a1bcd                                                        |
| SCIP notification number (France)         | 073a340c-d083-4b17-8f46-17425d5e36f0                                                        |
| SCIP notification number (Germany)        | fc29d354-7458-4a1a-9a1a-4a5f56d4209a                                                        |
| SCIP notification number (Hungary)        | 03f500ee-b556-4001-87d4-3defa3b8b88a                                                        |
| SCIP notification number (Italy)          | 03f9e91b-277c-4b7e-8512-aeef1c4087032                                                       |
| SCIP notification number (Netherlands)    | 1e387295-0273-4e4d-8a62-4abd51925f18                                                        |
| SCIP notification number (Poland)         | 4c8b541a-aeef-4f18-9444-7ae27d3fdaa5                                                        |

| Environmental Product Compliance   |                                      |
|------------------------------------|--------------------------------------|
| SCIP notification number (Romania) | 8bb4f35c-7280-47f5-9ac8-96a261f144e4 |
| SCIP notification number (Sweden)  | 22695d31-16d7-4fa5-9e0f-409ef56e66e5 |

Approvals / Certificates

| General approvals                                                                                                                                                  |                        | Declarations of conformity and manufacturer's declarations |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------|
|   |                        |                                                            |
| Approval                                                                                                                                                           | Standard               | Certificate Name                                           |
| EAC<br>GZO Almaty Standart                                                                                                                                         | TP TC 020/2011         | EAC CoC 03083                                              |
| KC<br>National Radio Research Agency                                                                                                                               | Article 58-2, Clause 3 | MSIP-REM-W43-AIM750                                        |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                                                                                                          | UL 508                 | E175199                                                    |
|                                                                                                                                                                    |                        |                                                            |
| Approval                                                                                                                                                           | Standard               | Certificate Name                                           |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                 | -                      | -                                                          |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG                                                                                                                 | -                      | -                                                          |

| Approvals for hazardous areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------|
|         |             |                                            |
| Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Standard    | Certificate Name                           |
| ATEX<br>TUEV Nord Cert GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EN 60079-0  | TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc) |
| CCCEX<br>CQST/CNEx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CNCA-C23-01 | 2020312310000213 (Ex ec IIC T4 Gc)         |
| IECEx<br>TUEV Nord Cert GmbH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IEC 60079-0 | IECEx TUN 14.0035 X (Ex ec IIC T4 Gc)      |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IEC 60079-0 | TÜV 12.1297 X                              |
| UKEx<br>WAGO GmbH & Co. KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EN 60079-0  | UKCA_WA<br>GO22UKEX003X_ec                 |
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | UL 121201   | E198726                                    |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 753-467

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| Documentation                                   |            |                   |                                                         |                  |  |
|-------------------------------------------------|------------|-------------------|---------------------------------------------------------|------------------|--|
| Manual                                          |            |                   | System Description                                      |                  |  |
| Product Manual 2-channel, 0-10VDC, single-ended | V 1.1.0    | pdf<br>3847.42 KB | 750/753 Series I/O-System – General Product Information | pdf<br>953.35 KB |  |
| System Manual Series 750/753                    |            |                   | Overview on WAGO-I/O-SYSTEM 750 approvals               | pdf<br>770.48 KB |  |
| Instruction Leaflet                             |            |                   |                                                         |                  |  |
| CCC Ex (Additional information)                 | 26.04.2023 | pdf<br>159.76 KB  |                                                         |                  |  |

| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 753-467 | EPLAN Data Portal 753-467 |
|                      | WSCAD Universe 753-467    |
|                      | ZUKEN Portal 753-467      |

| 1 Compatible Products       |
|-----------------------------|
| 1.1 Required Accessories    |
| 1.1.1 Pluggable connector   |
| 1.1.1.1 Male connector/plug |



**Item No.: 753-110**  
Plug

| 1.2 Optional Accessories     |
|------------------------------|
| 1.2.1 DIN-rail               |
| 1.2.1.1 Mounting accessories |



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



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



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



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



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



**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; silver-colored



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



1.2.2 Marking

1.2.2.1 Group marker carrier



Item No.: 750-106  
Group marker carrier

1.2.2.2 Marker



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



Item No.: 2009-145/000-006  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-145/000-007  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-145/000-023  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-145/000-012  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-145/000-005  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 2009-145/000-024  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-145  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-145/000-002  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 248-501/000-006  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-005  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



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



Item No.: 248-501  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.2.2.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.2.3 Pluggable connector

1.2.3.1 Coding



Item No.: 753-150  
753 Series coding elements



1.2.4 Shield termination

1.2.4.1 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

1.2.5 System enclosure

1.2.5.1 System enclosure



**Item No.: 850-825**  
IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (160x100x160 mm); 9 x M12, 4 x M20



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



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



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



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



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



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



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



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



**Item No.: 850-836**  
IP65 enclosure; Polyester (RAL 7032); Wx-HxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip



**Item No.: 850-814/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (200x120x200 mm); without flange plate



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



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



**Item No.: 850-817/002-000**  
IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (600x120x200 mm); without flange plate

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)