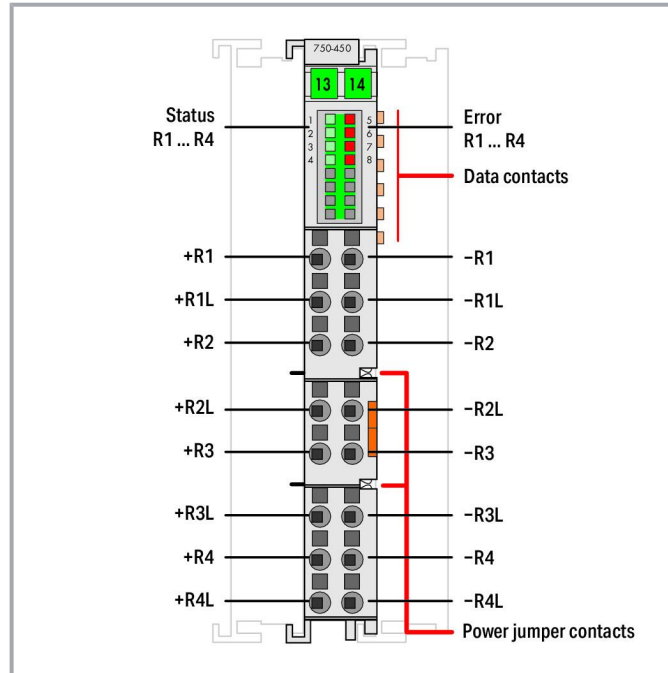
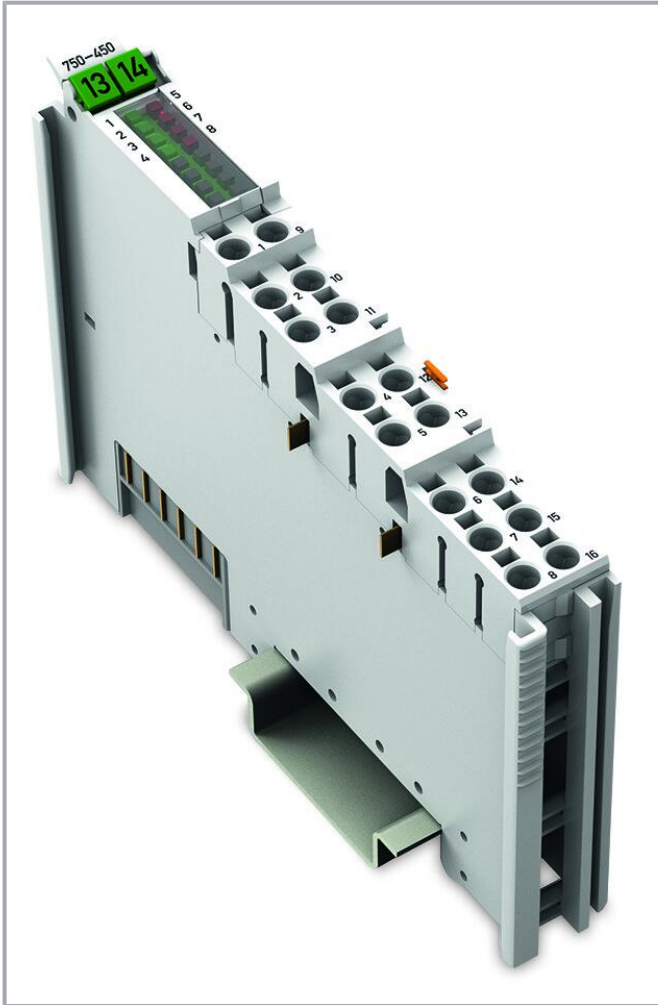


## Data sheet | Item number: 750-450

4-channel analog input; Resistance measurement; Adjustable

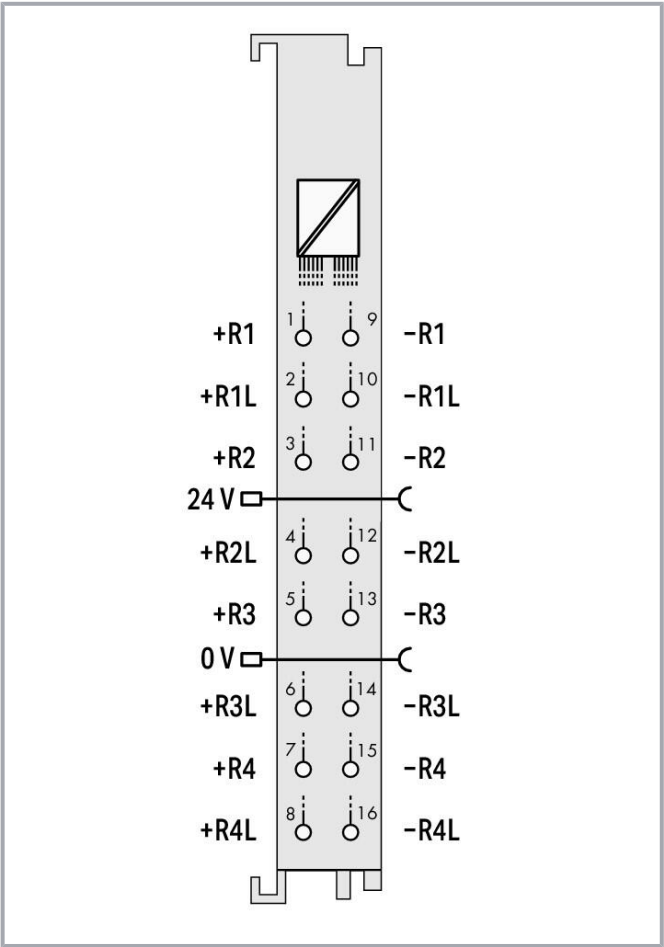
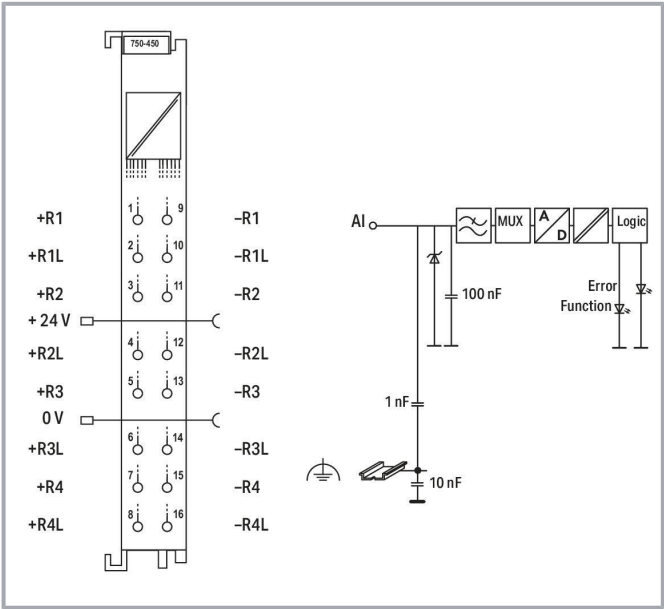
[www.wago.com/750-450](http://www.wago.com/750-450)



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### Item description

This analog input module directly connects to Pt or Ni resistance sensors and potentiometers.

Two-, three- or four-wire resistance sensors and three-wire potentiometers can be connected.

The module automatically linearizes the entire temperature range. A sensor error (short circuit, wire break or out-of-measurement range) is indicated by a red LED. Unused channels can be deactivated.

The module can be configured via WAGO-I/O-CHECK or GSD files.

It features multiple setting options and high accuracy.

### Data

#### Technical data

|                                   |   |
|-----------------------------------|---|
| Number of analog inputs           | 4 |
| Total number of channels (module) | 4 |

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| Signal type                              | Resistance measurement<br>Potentiometer positions                                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal type (configurable)               | yes                                                                                                                                                  |
| Sensor connection                        | 4 x (2-wire, 3-wire, 4-wire)                                                                                                                         |
| Data width                               | 4 x 16-bit data; 4 x 8-bit control/status (optional)                                                                                                 |
| Resolution (over entire range)           | 0.1 °C (over the entire range); 0.01 °C (-50 ... 150 °C; Pt1000, Ni1000)                                                                             |
| Conversion time (typ.)                   | 100 ms                                                                                                                                               |
| Conversion time                          | Per channel: ≤ 100 ms (2-/4-wire connection), ≤ 200 ms (3-wire connection)                                                                           |
| Measurement error (25 °C)                | ≤ ±0.6 K (Pt100, Pt200, Pt500, Ni100, Ni120); ≤ ±0.2 K (Pt1000, Ni1000); ±0.3 ... 0.7 Ω for resistance measurement                                   |
| Measuring current (typ.)                 | ≤ 350 µA                                                                                                                                             |
| Response time (max.)                     | 3 s                                                                                                                                                  |
| Sensor types                             | Pt100; Configurable: Pt200, Pt500, Pt1000, Ni100, Ni120, Ni1000 (TK6180 + TK5000), Potentiometer: 10R ... 1k2, 10R ... 5k0                           |
| Temperature range                        | -200 ... +850 °C (Pt100, Pt200, Pt500, Pt1000), -60 ... +250 °C (Ni100, Ni1000), -80 ... +260 °C (Ni120)                                             |
| Configuration options                    | WAGO-I/O-CHECK<br>CODESYS Library<br><i>e!COCKPIT</i>                                                                                                |
| Supply voltage (system)                  | 5 VDC; via data contacts                                                                                                                             |
| Current consumption (5 V system supply)  | 85 mA                                                                                                                                                |
| Supply voltage (field)                   | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact) |
| Isolation                                | 500 V system/field                                                                                                                                   |
| Indicators                               | LED (1-4) green: Status R1 ... R4; LED (5-8) red: Error R1 ... R4                                                                                    |
| Number of incoming power jumper contacts | 2                                                                                                                                                    |
| Number of outgoing power jumper contacts | 2                                                                                                                                                    |

## Connection data

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Connection technology: inputs/outputs | 16 x Push-in CAGE CLAMP®          |
| Connection type 1                     | Inputs/Outputs                    |
| Solid conductor                       | 0.08 ... 1.5 mm² / 28 ... 16 AWG  |
| Fine-stranded conductor               | 0.25 ... 1.5 mm² / 22 ... 16 AWG  |
| Strip length                          | 8 ... 9 mm / 0.31 ... 0.35 inches |

## Physical data

|       |                      |
|-------|----------------------|
| Width | 12 mm / 0.472 inches |
|-------|----------------------|

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|                                   |                        |
|-----------------------------------|------------------------|
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 69 mm / 2.717 inches   |
| Depth from upper-edge of DIN-rail | 61.8 mm / 2.433 inches |

## Mechanical Data

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

## Material data

|                    |                              |
|--------------------|------------------------------|
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.837 MJ                     |
| Weight             | 49 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 (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 61000-6-1; 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 (I/O System) |
| eCl@ss 10.0   | 27-24-26-01     |
| eCl@ss 9.0    | 27-24-26-01     |
| ETIM 8.0      | EC001596        |

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|                       |               |
|-----------------------|---------------|
| ETIM 7.0              | EC001596      |
| Recupel Type          |               |
| PU (SPU)              | 1 pcs         |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4017332448635 |
| Customs tariff number | 85389099990   |

## Environmental Product Compliance

|                                           |                                                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------|
| CAS-No.                                   | 12626-81-2<br>1303-86-2<br>1317-36-8<br>7439-92-1                                        |
| REACH Candidate List Substance            | Diboron trioxide<br>Lead<br>Lead monoxide<br>Lead titanium zirconium oxide (Pb(Ti,Zr)O3) |
| RoHS Compliance Status                    | Compliant, With Exemption                                                                |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II                                                        |
| SCIP notification number (Austria)        | 263b784d-ab14-49e7-b3c5-71e6c6f19d29                                                     |
| SCIP notification number (Belgium)        | 0aae1cb1-b683-4ff8-ac9c-e86f794a8640                                                     |
| SCIP notification number (Bulgaria)       | 733a44b7-56a8-49fd-bcec-bda15ebb82e1                                                     |
| SCIP notification number (Czech Republic) | 45cc6e52-17dd-445e-9d10-ac1b45d7c429                                                     |
| SCIP notification number (Denmark)        | 1c267569-8c37-4d4b-a2a2-9dac56f83e3a                                                     |
| SCIP notification number (Finland)        | 11c70648-790d-40fa-b6d8-676ae47859eb                                                     |
| SCIP notification number (France)         | 79d8796b-8aa2-41c3-aadb-bfe311821ce2                                                     |
| SCIP notification number (Germany)        | bd372b4d-2dc4-410d-bc11-92fcabead77da                                                    |
| SCIP notification number (Hungary)        | fcf16377-3b55-4b40-a3f4-ab1f49599b82                                                     |
| SCIP notification number (Italy)          | 990a7423-d597-48f0-a9a4-625b84434318                                                     |
| SCIP notification number (Netherlands)    | 65b63553-a692-403a-99d5-4a6b33b34ef7                                                     |
| SCIP notification number (Poland)         | 53a7c50b-27ad-4dab-8ffa-c7b8a09bf75c                                                     |
| SCIP notification number (Romania)        | 4a1fdb2a-6378-4325-b863-41e43995c132                                                     |
| SCIP notification number (Sweden)         | e957b27a-2d32-45c9-ac71-478ca8844e9e                                                     |

## Approvals / Certificates

### General approvals

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| Logo                                                                             | Approval                                                            | Additional Approval Text | Certificate name            |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------|-----------------------------|
|  | <b>EAC</b><br>Brjansker Zertifizierungsstelle                       | TP TC 020/2011           | EAC RU C-DE.AM02.B.00087/19 |
|   | <b>KC</b><br>National Radio Research Agency                         | Article 58-2, Clause 3   | MSIP-REM-W43-AIM750         |
|  | <b>UL</b><br>UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508                   | E175199 Sec.1               |

## Declarations of conformity and manufacturer's declarations

| Logo                                                                              | Approval                                                  | Additional Approval Text | Certificate name |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------|------------------|
|   | <b>EU-Declaration of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |
|  | <b>UK-Declaration of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |

## Approvals for marine applications

| Logo                                                                                | Approval                                                     | Additional Approval Text        | Certificate name |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------|------------------|
|   | <b>ABS</b><br>American Bureau of Shipping                    | -                               | 22-2219060       |
|  | <b>BSH</b><br>Bundesamt fuer Seeschifffahrt und Hydrographie | -                               | 1104             |
|  | <b>BV</b><br>Bureau Veritas S.A.                             | Rules for class. of Steel Ships | 66711/A0         |
|   | <b>DNV</b><br>DNV GL SE                                      | DNV-CG-0339,Aug.2021            | TAA0000194       |

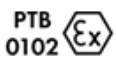
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|                                                                                   |                                          |   |                   |
|-----------------------------------------------------------------------------------|------------------------------------------|---|-------------------|
|   | <b>KR</b><br>Korean Register of Shipping | - | KR HMB05880-AC001 |
|  | <b>LR</b><br>Lloyds Register EMEA        | - | LR22180952TA      |
|   | <b>PRS</b><br>Polski Rejestr Statków     | - | TE/2236/880590/19 |
|   | <b>RINA</b><br>RINA Germany GmbH         | - | ELE343521XG001    |

## Approvals for hazardous areas

| Logo                                                                               | Approval                                        | Additional Approval Text | Certificate name                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------|-----------------------------------------------------|
|    | <b>ATEX</b><br>TUEV Nord Cert GmbH              | EN 60079-0               | TUEV14ATEX148929X (II 3 G<br>Ex ec IIC T4 Gc)       |
|  | <b>CCCEX</b><br>CQST/CNEx                       | CNCA-C23-01              | 2020312310000213 (Ex ec IIC<br>T4 Gc)               |
|  | <b>EAC</b><br>Brjansker Zertifizierungsstelle   | TP TC 012/2011           | EAC RU C-DE.AM02.B.00163<br>/19 (2Ex e IIC T4 Gc X) |
|  | <b>IECEX</b><br>TUEV Nord Cert GmbH             | IEC 60079-0              | IECEX TUN 14.0035 X (Ex ec<br>IIC T4 Gc)            |
|  | <b>INMETRO</b><br>TÜV Rheinland do Brasil Ltda. | IEC 60079-0              | BR-Ex_TÜV 12.1297 X                                 |
|  | <b>UKEx</b><br>WAGO GmbH & Co. KG               | EN 60079-0               | UKCA_WAGO22UKEX003X_ec                              |

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UL  
Underwriters Laboratories Inc. (HAZARDOUS  
LOCATIONS)

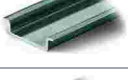
UL 121201

E198726 Sec.1

## Optional accessories

### Carrier rail

#### Mounting accessories

|                                                                                    |                                                                                                                                                      |                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <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> |
|   | <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> |
|  | <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.: 210-118</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.: 210-112</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.: 210-114</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.: 210-196</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> |

### System housing

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## System enclosure

|                                                                                    |                                                                                                                                          |                                                                                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|    | <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>                 |
|   | <b>Item no.: 850-827</b><br>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><br>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.: 850-826/002-000</b><br>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.: 850-828/002-000</b><br>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.: 850-828</b><br>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.: 850-834</b><br>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><br>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><br>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>                 |

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## Shield termination

## Shield clamping saddles

|                                                                                 |                                                                                                               |                                                                |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <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.: 790-108</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.: 790-140</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.: 790-216</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> |
|  | <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> |

## Tool

## Operating tool

|                                                                                   |                                                                                                   |                                                                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-719</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

## Marking accessories

## Marker carrier

|                                                                                   |                                                  |                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 750-103</b><br>Group marker carrier | <a href="http://www.wago.com/750-103">www.wago.com/750-103</a> |
|-----------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------|

## Marker

|                                                                                    |                                                                                                                                                   |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <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</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.: 2009-145/000-007</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> |

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

|                                                                                    |                                                                                                                                                   |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <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.: 2009-145/000-012</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.: 248-501/000-006</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.: 248-501/000-002</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.: 248-501/000-012</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>   |
|  | <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.: 248-501/000-017</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.: 248-501/000-005</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.: 248-501/000-024</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>   |

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

[www.wago.com/248-501/000-023](http://www.wago.com/248-501/000-023)

Group marker carrier



Item no.: 750-107  
Group marker carrier

[www.wago.com/750-107](http://www.wago.com/750-107)

Downloads  
Documentation

Manual

|                                                                                                                    |                        |               |          |
|--------------------------------------------------------------------------------------------------------------------|------------------------|---------------|----------|
| System Manual WAGO I/O System 750/753<br>Decentralized Automation Technology                                       | V 3.3.3<br>2023 Aug 29 | pdf<br>8.7 MB | Download |
| Product Manual 4 AI RTD, Configurable<br>4-Channel Analog Input Module for Resistance Sensors, Freely Configurable | V 1.2.0<br>2021 Apr 21 | pdf<br>3.4 MB | Download |
| System Manual Series 750/753<br>Online HTML                                                                        |                        | URL           | Download |

Bid Text

|                         |             |                 |          |
|-------------------------|-------------|-----------------|----------|
| 750-450<br>X81 - Datei  | 2019 Feb 19 | xml<br>5.5 kB   | Download |
| 750-450<br>docx - Datei | 2017 Oct 20 | docx<br>18.8 kB | Download |
| 750-450<br>doc - Datei  | 2017 Oct 20 | doc<br>32.3 kB  | Download |

Instruction Leaflet

|                                                                |             |                 |          |
|----------------------------------------------------------------|-------------|-----------------|----------|
| CCC Ex (Additional information)<br>WAGO-I/O-SYSTEM *750-****/* | 2023 Apr 26 | pdf<br>163.6 kB | Download |
|----------------------------------------------------------------|-------------|-----------------|----------|

System Description

|                                                         |                 |          |
|---------------------------------------------------------|-----------------|----------|
| 750/753 Series I/O-System – General Product Information | pdf<br>976.2 kB | Download |
|---------------------------------------------------------|-----------------|----------|

Overview on WAGO-I/O-SYSTEM 750 approvals  
Subject to changes. Please also observe the further product documentation!

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We are always happy to take your call at +49 (571) 887-44222.



pdf  
223.5 kB

Download

### Additional Information

|                                                           |             |        |          |
|-----------------------------------------------------------|-------------|--------|----------|
| Disposal and Recycling                                    | V 1.1.0     | pdf    | Download |
| Electrical and electronic equipment, Batteries, Packaging | 2022 Aug 18 | 2.2 MB |          |

### Application Notes

#### Application Note CoDeSys 2.3

|                                                                                          |             |        |          |
|------------------------------------------------------------------------------------------|-------------|--------|----------|
| Application Note Library ModuleAccess_01                                                 | 05.01.2016  | zip    | Download |
| These instructions describe the use of the ModuleAccess_01.lib library using 4 examples. | 2016 Jan 29 | 1.0 MB |          |

### Libraries

#### Library

|                                                                                                                                                           |             |        |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|----------|
| ModuleAccess_01.lib                                                                                                                                       | 1.8.7       | zip    | Download |
| The ModuleAccess_01 library provides both module configuration and access to its process data within a CoDeSys project without the use of WAGO I/O Check. | 2020 Jan 27 | 2.2 MB |          |

### Runtime Software

#### Firmware

|                                                      |             |          |          |
|------------------------------------------------------|-------------|----------|----------|
| 0750-0450, 4-Kanal-Analogeingang; Widerstandsmessung | V 04        | zip      | Download |
| WAGO_FW0750-0450_V010119_IX04_W                      | 2023 Oct 31 | 143.1 kB |          |

### CAD/CAE-Data

#### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 750-450 | URL | Download |
|----------------------|-----|----------|

#### CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 750-450 | URL | Download |
|---------------------------|-----|----------|

|                      |     |          |
|----------------------|-----|----------|
| ZUKEN Portal 750-450 | URL | Download |
|----------------------|-----|----------|

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|                        |     |          |
|------------------------|-----|----------|
| WSCAD Universe 750-450 | URL | Download |
|------------------------|-----|----------|

Asset Administration Shell

|                                    |     |          |
|------------------------------------|-----|----------|
| Asset Administration Shell 750-450 | URL | Download |
|------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

|                                                            |     |          |
|------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 750-450                   | URL | Download |
| 4-channel analog input; Resistance measurement; Adjustable |     |          |

Installation Notes

Product family

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

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