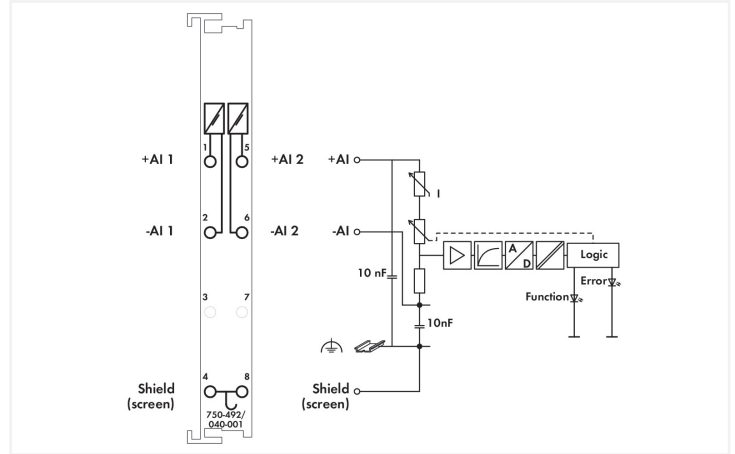


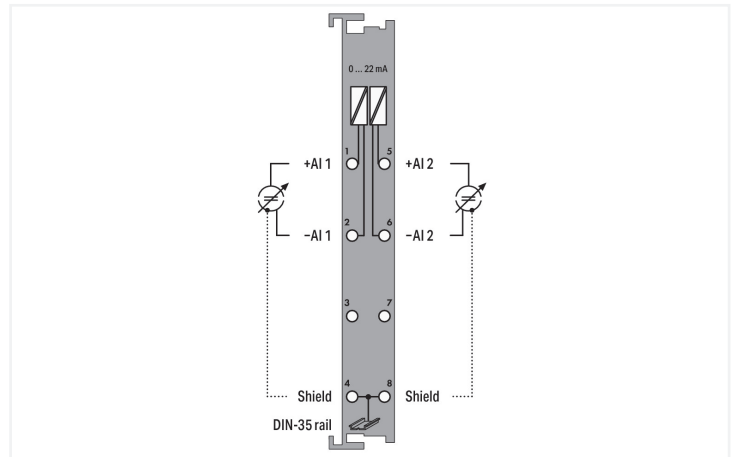
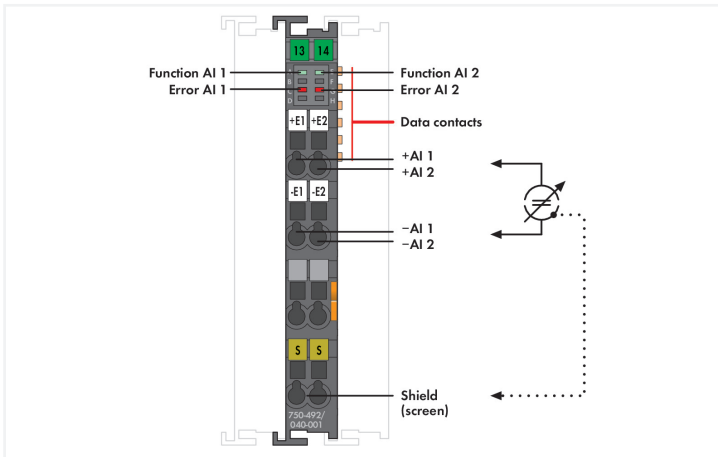
## Data Sheet | Item Number: 750-492/040-001

2-channel analog input; 4 ... 20 mA; Differential input; NAMUR NE 43; Extreme

<https://www.wago.com/750-492/040-001>



Color: ■ dark gray



This analog input module processes differential signals ranging from 4 to 20 mA.  
The input signal is transmitted with a resolution of 13 bits.  
The channels are electrically isolated from one another and from the system level.  
The system supply powers the module.  
The shield directly connects to the DIN-rail.

- Measured value acquisition: Time synchronous within the module
- Measurement range overflow/underflow: Status byte and LED
- Conversion method: SAR (Successive Approximation Register)
- Operating mode: Continuously sampling (default)
- Protection: Non-linear limiting

### The device is ideal for operation in extreme environments thanks to:

- An extended temperature range
- Greater immunity to impulse voltages and electromagnetic interference
- Higher vibration and shock resistance

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Connection technology: I/O      | 6 x CAGE CLAMP®                   |
| Connectable conductor materials | Copper                            |
| Connection type                 | Inputs/outputs                    |
| Solid conductor                 | 0.25 ... 2.5 mm² / 24 ... 14 AWG  |
| Fine-stranded conductor         | 0.25 ... 2.5 mm² / 24 ... 14 AWG  |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 inches |

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 12 mm / 0.472 inches   |
| Height                            | 100 mm / 3.937 inches  |
| Depth                             | 67.8 mm / 2.669 inches |
| Depth from upper-edge of DIN-rail | 60.6 mm / 2.386 inches |



| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |

| Material data      |                              |
|--------------------|------------------------------|
| Color              | dark gray                    |
| Housing material   | Polycarbonate; polyamide 6.6 |
| Fire load          | 0.703 MJ                     |
| Weight             | 48.5 g                       |
| Conformity marking | CE                           |

| Environmental requirements                                                         |                                                                                                                                                                  |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)                                                    | -40 ... +70 °C                                                                                                                                                   |
| Ambient temperature (installation)                                                 | -20 ... +70 °C                                                                                                                                                   |
| Ambient temperature (storage)                                                      | -40 ... +85 °C                                                                                                                                                   |
| Protection type                                                                    | IP20                                                                                                                                                             |
| Pollution degree                                                                   | 2 per IEC 61131-2                                                                                                                                                |
| Operating altitude                                                                 | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.)                                              |
| Mounting position                                                                  | Horizontal left, horizontal up, vertical top and vertical bottom                                                                                                 |
| Relative humidity (without condensation)                                           | 95 %                                                                                                                                                             |
| Relative humidity (with condensation)                                              | Short-term condensation per Class 3K7/IEC EN 60721-3-3 and E-DIN 40046-721-3 (except for wind-driven precipitation, water and ice formation)                     |
| Vibration resistance                                                               | According to type test for marine classification (ABS, BV, DNV, IACS, LR): acceleration: 5g, IEC 60068-2-6, EN 60870-2-2, IEC 60721-3-1, -3, EN 50155, EN 61373  |
| Shock resistance                                                                   | per IEC 60068-2-27 (10g/16 ms/half-sine/1,000 shocks; 25g/6 ms/half-sine/1,000 shocks), EN 50155, EN 61373                                                       |
| Corrosion Resistance                                                               | Conformal Coating: yes<br>EN/IEC 60068-2-60: Method 4<br>ISA 571.04: G3 Group A                                                                                  |
| EMC immunity to interference                                                       | per EN 61000-6-1, -2; EN 61131-2; marine applications; EN 50121-3-2; EN 50121-4, -5; EN 60255-26; EN 60870-2-1; EN 61850-3; IEC 61000-6-5; IEEE 1613; VDEW: 1994 |
| EMC emission of interference                                                       | per EN 61000-6-3, -4, EN 61131-2, EN 60255-26, marine applications, EN 60870-2-1, EN 61850-3, EN 50121-3-2, EN 50121-4, -5                                       |
| 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       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143353625 |
| Customs tariff number | 85437090990   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 32101602             |
| 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 |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

750-492/040-001

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Documentation

Manual

Product Manual 2-channel, 4 - 20 mA /XTR

V 1.2.0  
22.08.2019

pdf  
2858.36 KB

↓

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals

pdf  
770.48 KB

↓

750 XTR Series I/O-System – General Product Information

pdf  
726.09 KB

↓

Bid Text

750-492/040-001

19.02.2019

xml  
7.65 KB

↓

750-492/040-001

23.10.2015

doc  
34.50 KB

↓

Instruction Leaflet

CCC Ex (Additional information)

26.04.2023

pdf  
144.58 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models

750-492/040-001

↓

CAE data

EPLAN Data Portal

750-492/040-001

↓

WSCAD Universe

750-492/040-001

↓

ZUKEN Portal

750-492/040-001

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 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

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1.1.2 Marking

1.1.2.1 Group marker carrier



Item No.: 750-107  
Group marker carrier

1.1.2.2 Marker



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

1.1.2.3 Marker carrier



Item No.: 750-103  
Group marker carrier

1.1.3 Shield termination

1.1.3.1 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

1.1.4 System enclosure

1.1.4.1 System enclosure

|                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>Item No.: 850-825</b><br/>IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (160x100x160 mm); 9 x M12, 4 x M20</div>                              |  <div><b>Item No.: 850-826</b><br/>IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip</div>         |  <div><b>Item No.: 850-827</b><br/>IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip</div>          |  <div><b>Item No.: 850-828</b><br/>IP65 enclosure; Aluminium (RAL 7032); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip</div> |
|  <div><b>Item No.: 850-826/002-000</b><br/>IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip</div> |  <div><b>Item No.: 850-827/002-000</b><br/>IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip</div> |  <div><b>Item No.: 850-828/002-000</b><br/>IP65 enclosure; Aluminium (RAL 7035); Wx-HxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip</div> |  <div><b>Item No.: 850-834</b><br/>IP65 enclosure; Polyester (RAL 7032); Wx-HxD (164x100x164 mm); 9 x M12, 4 x M20</div>                       |
|  <div><b>Item No.: 850-835</b><br/>IP65 enclosure; Polyester (RAL 7032); Wx-HxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip</div>         |  <div><b>Item No.: 850-836</b><br/>IP65 enclosure; Polyester (RAL 7032); Wx-HxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip</div>         |  <div><b>Item No.: 850-814/002-000</b><br/>IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (200x120x200 mm); without flange plate</div>                 |  <div><b>Item No.: 850-815/002-000</b><br/>IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (300x120x200 mm); without flange plate</div>         |
|  <div><b>Item No.: 850-816/002-000</b><br/>IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (400x120x200 mm); without flange plate</div>                |  <div><b>Item No.: 850-817/002-000</b><br/>IP65 enclosure; Sheet steel (RAL 7035); Wx-HxD (600x120x200 mm); without flange plate</div>                |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                   |