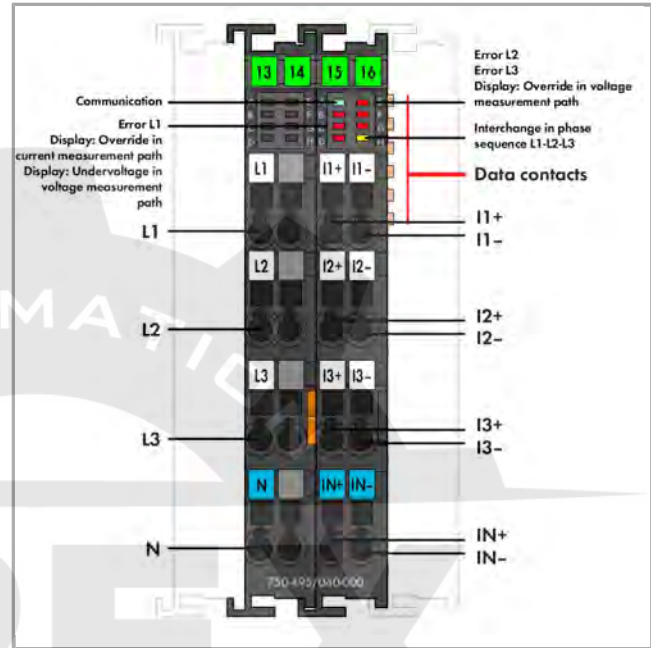
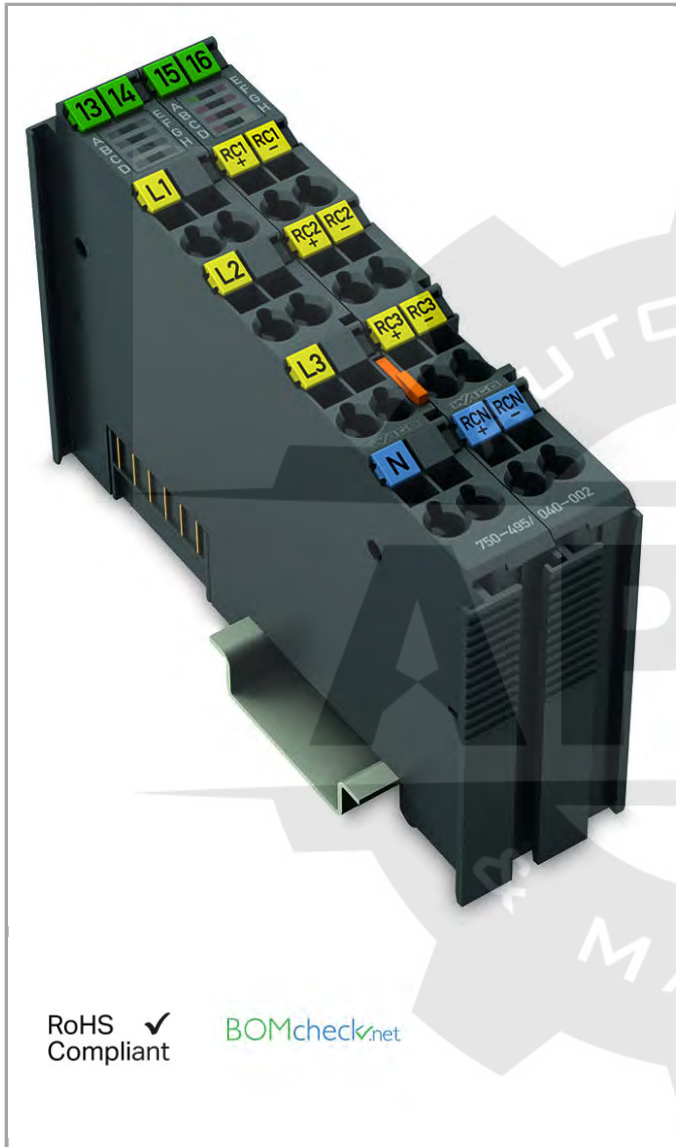
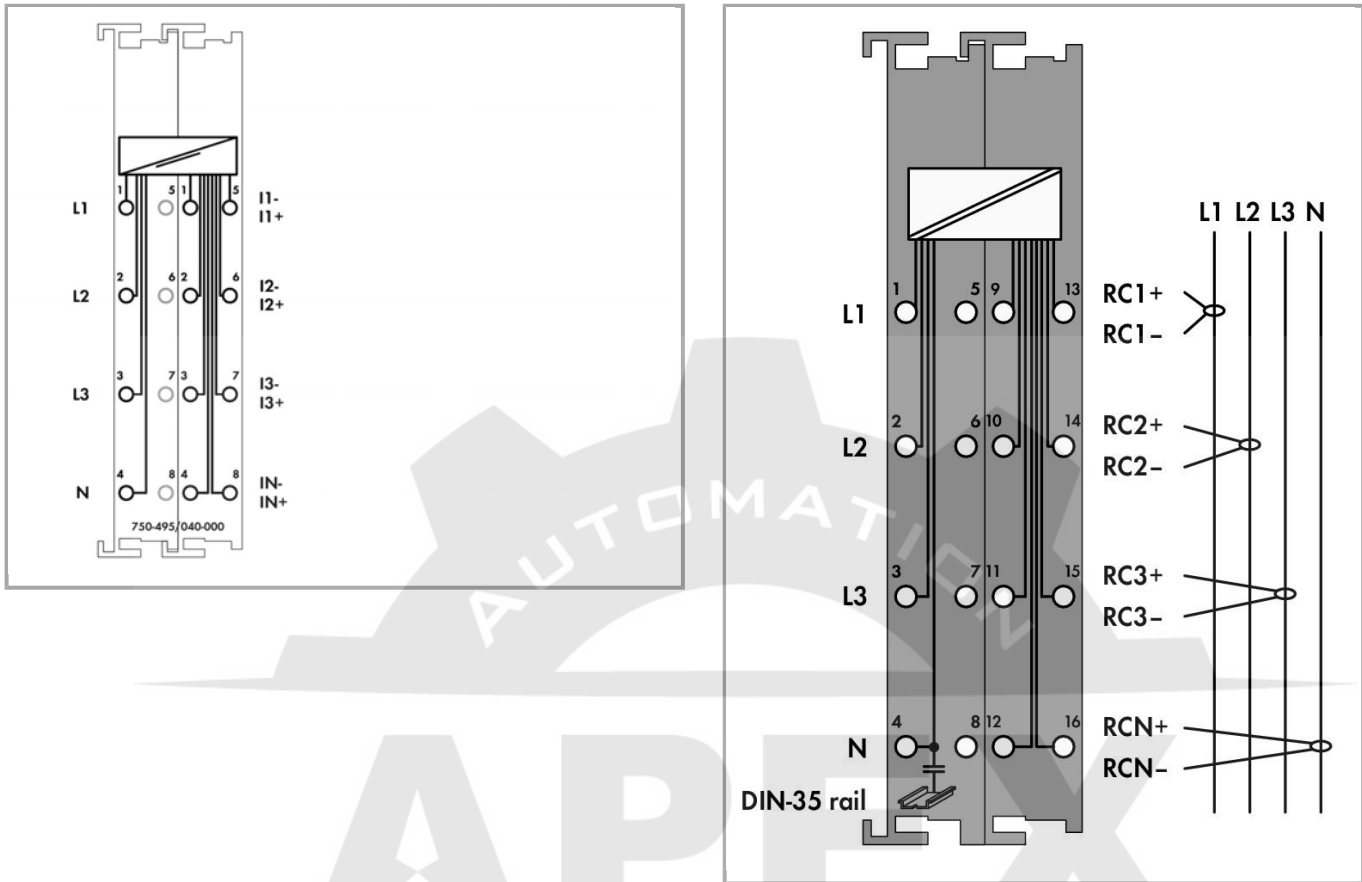




RoHS  
Compliant

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## Item description

The 750-495 3-Phase Power Measurement Module measures electrical data in a three-phase supply network. The voltage is measured via network connection to L1, L2, L3 and N. The current of the three phases is fed to IL1, IL2, IL3 and IN (two clamping points each +,-) via current transformers or via Rogowski coils for the 750-495/000-002 Module. The module transmits metrics (e.g., reactive/apparent/effective power, energy consumption, power factor, phase angle, frequency, over-/undervoltage) directly into the process image, without requiring high computing power from the controller. Both comprehensive metrics and harmonic analysis up to the 41st harmonic permit extensive network analysis via the fieldbus. Metrics allow the operator to optimize the supply to a drive or machine, protecting the system from damage and failure. Insulation failures can be detected and prevented via current measurement performed in the neutral conductor. The 4-quadrant display indicates the type of load (inductive, capacitive) and whether it is an energy consumer or producer.

The device is ideal for operation in extreme environments:

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

## Data

### Technical Data

|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| Number of measurement inputs | 7 (3 voltage measurement inputs, 4 differential current measurement inputs) |
|------------------------------|-----------------------------------------------------------------------------|

| Type of signal                                      | Power measurement                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal form                                         | any periodic signals (in consideration of the threshold frequencies)                                                                                                   |
| Resolution [bit]                                    | 24 Bit                                                                                                                                                                 |
| Bit width                                           | 2 x 128-bit data; 2 x 64-bit control/status                                                                                                                            |
| Input resistance voltage path (typ.)                | 1429 kΩ                                                                                                                                                                |
| Input resistance current path typ.                  | 44 kΩ                                                                                                                                                                  |
| Bezug für Messfehler                                | AC Strom/Spannung                                                                                                                                                      |
| Messfehler, Bezugstemperatur                        | 25 °C                                                                                                                                                                  |
| Messfehler, Abweichung max. vom Messbereichsendwert | 0.5 %                                                                                                                                                                  |
| Measuring current (max.)                            | Rogowski Coils RT500/RT2000                                                                                                                                            |
| Measuring cycle time                                | Adjustable for arithmetic mean value, Min_Max_Values                                                                                                                   |
| Frequency range, power supply frequency             | 45 ... 65 Hz                                                                                                                                                           |
| Frequency range, harmonics analysis                 | 0 ... 3300 Hz                                                                                                                                                          |
| Operating frequency                                 | 15.9 kHz                                                                                                                                                               |
| Rated voltage                                       | V <sub>LN</sub> = 400 VAC; V <sub>LL</sub> = 690 VAC                                                                                                                   |
| Measured values                                     | Line-to-line voltage, power output, energy, power factors, mains frequency, harmonic analysis (up to the 41st harmonic), THD                                           |
| Messkomponenten                                     | Evaluating                                                                                                                                                             |
| Measuring procedure                                 | True RMS measurement                                                                                                                                                   |
| System supply voltage                               | DC 5 V; via data contacts                                                                                                                                              |
| Current consumption, system supply (5 V)            | 100 mA                                                                                                                                                                 |
| System and sensor supply voltage                    | )                                                                                                                                                                      |
| Dielectric strength                                 | AC 2,5 kV/DC 3,5 kV; gemäß EN 60870-2-1                                                                                                                                |
| Rated surge voltage                                 | 5.0 kV (EN 60870-2-1 / Class VW3); 6.0 kV (UL 508); 6.0 kV (EN 60664-1 / up to 4,000 m above sea level); 4.0 kV (EN 60664-1 / > 4,000 m up to 5,000 m above sea level) |
| Overvoltage category                                | Nominal voltage 400 V/690 V in a 3-phase system: III (EN 60664-1 / up to 4.000 m above sea level); II (EN 60664-1 / > 4,000 m up to 5.000 m above sea level)           |

## Connection data

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Connection technology: In-/Outputs | 16 x CAGE CLAMP®                             |
| Connection type (1)                | Inputs/Outputs                               |
| Solid conductor                    | 0.25 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Fine-stranded conductor            | 0.25 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Strip length                       | 8 ... 9 mm / 0.31 ... 0.35 inch              |

## Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 24 mm / 0.945 inch   |
| Height                                | 67.8 mm / 2.669 inch |
| Height from upper-edge of DIN-35 rail | 60.6 mm / 2.386 inch |

|       |                     |
|-------|---------------------|
| Depth | 100 mm / 3.937 inch |
|-------|---------------------|

## Mechanical data

|                  |             |
|------------------|-------------|
| Type of mounting | DIN-35 rail |
|------------------|-------------|

## Material Data

|                    |                              |
|--------------------|------------------------------|
| Housing material   | Polycarbonate, polyamide 6.6 |
| Fire load          | 0 MJ                         |
| Weight             | 90 g                         |
| Conformity marking | 1                            |

## Environmental Requirements

|                                                                                    |                                                                                                                                                              |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surrounding air (operating) temperature                                            | -40 ... 70 °C                                                                                                                                                |
| Surrounding air (storage) temperature                                              | -40 ... 85 °C                                                                                                                                                |
| Protection class                                                                   | IP20                                                                                                                                                         |
| Degree of pollution (5)                                                            | 2 (EN 60664-1)                                                                                                                                               |
| Operating altitude                                                                 | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); max.: 5000 m                                           |
| Mounting position                                                                  | horizontal (standing/lying) or vertical                                                                                                                      |
| Relative air humidity (no condensation)                                            | 95 %                                                                                                                                                         |
| Relative humidity                                                                  | Short-term condensation per Class 3K7/IEC EN 60721-3-3 and E DIN 40046-721-3 (except wind-driven precipitation, water and ice formation)                     |
| Vibration resistance                                                               | acc. to IEC 60068-2-6 (acceleration: 5g), EN 60870-2-2, IEC 60721-3-1, -3, EN 50155, EN 61373                                                                |
| Shock resistance                                                                   | acc. to IEC 60068-2-27 (15g/11 ms/half-sine/1000 shocks; 25g/6 ms /1000 shocks), EN 50155, EN 61373                                                          |
| EMC immunity to interference                                                       | acc. to EN 61000-6-1, -2, EN 61131-2, marine applications, EN 50121-3-2, -4, -5, EN 60255-26, EN 60870-2-1, EN 61850-3, IEC 61000-6-5, IEEE 1613, VDEW: 1994 |
| EMC emission of interference                                                       | acc. to 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

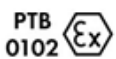
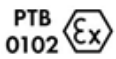
|                   |               |
|-------------------|---------------|
| Country of origin | DE            |
| GTIN              | 4055143353564 |

Customs Tariff No.

85365080990

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                             | Approval                            | Additional Approval Text | Certificate name           |
|----------------------------------------------------------------------------------|-------------------------------------|--------------------------|----------------------------|
|  | <b>ATEX</b><br>TUEV Nord Cert GmbH  | EN 60079-0               | TUEV 17<br>ATEX<br>193969X |
|  | <b>ATEX</b><br>TUEV Nord Cert GmbH  | EN 60079-0               | TUEV 17<br>ATEX<br>193969X |
|  | <b>IECEX</b><br>TUEV Nord Cert GmbH | IEC 60079-0              | IECEX<br>TUN<br>16.0046X   |
|  | <b>IECEX</b><br>TUEV Nord Cert GmbH | IEC 60079-0              | IECEX<br>TUN<br>16.0046X   |

### Country specific Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name            |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------|
|  | <b>KC</b><br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>AIM750 |
|  | <b>KC</b><br>National Radio Research Agency | Article 58-2, Clause 3   | MSIP-<br>REM-W43-<br>AIM750 |

### Ship Approvals

| Logo                                                                                | Approval                             | Additional Approval Text | Certificate name          |
|-------------------------------------------------------------------------------------|--------------------------------------|--------------------------|---------------------------|
|  | <b>LR</b><br>Lloyds Register         | -                        | 17/20073<br>LR            |
|  | <b>PRS</b><br>Polski Rejestr Statków | -                        | TE/2215<br>/880590<br>/18 |

## Compatible products

### Carrier rail

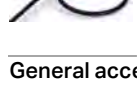
|                                                                                    |                                                                                                                                       |         |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | <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" | 210-112 |
|    | <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                   | 210-113 |
|    | <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                    | 210-114 |
|    | <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" | 210-115 |
|    | <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                  | 210-118 |
|  | <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                | 210-196 |
|  | <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                      | 210-197 |
|  | <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                 | 210-198 |
|  | <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         | 210-504 |
|  | <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       | 210-505 |
|  | <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        | 210-506 |
|  | <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          | 210-508 |

### system box

|                                                                                    |                                                                                                                                     |         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 850-804</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip         | 850-804 |
|  | <b>Item no.: 850-804/000-001</b><br>IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | 850-804 |
|  | <b>Item no.: 850-805</b><br>IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip         | 850-805 |



|                                                                                    |                                                                                                                                          |                       |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|    | <b>Item no.: 850-814/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate                 | 850-814<br>/002-000   |
|    | <b>Item no.: 850-815/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate                 | 850-815<br>/002-000   |
|    | <b>Item no.: 850-816/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate                 | 850-816<br>/002-000   |
|    | <b>Item no.: 850-817/002-000</b><br>IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate                 | 850-817<br>/002-000   |
|    | <b>Item no.: 850-825</b><br>IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20                               | 850-825               |
|    | <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          | 850-826               |
|    | <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  | 850-826<br>/002-000   |
|   | <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          | 850-827               |
|  | <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  | 850-827<br>/002-000   |
|  | <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         | 850-828               |
|  | <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 | 850-828<br>/002-000   |
|  | <b>Item no.: 850-834</b><br>IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20                               | 850-834               |
|  | <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          | 850-835               |
|  | <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          | 850-836               |
| <b>current transformer</b>                                                         |                                                                                                                                          |                       |
|  | <b>Item no.: 855-9100/2000-000</b><br>Rogowski coil; Primary rated current: 2000 A; Output signal: 40.2 mV; Cable length: 1.5 m          | 855-9100<br>/2000-000 |
|  | <b>Item no.: 855-9100/500-000</b><br>Rogowski coil; Primary rated current: 500 A; Output signal: 10.05 mV; Cable length: 1.5 m           | 855-9100<br>/500-000  |

|                                                                                    |                                                                                                                                                                                                        |                        |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
|    | <b>Item no.: 855-9150/2000-1251</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length: 1.5 m; Accuracy class: 1; Feedthrough for measurement conductor 125 mm | 855-9150<br>/2000-1251 |
|    | <b>Item no.: 855-9150/2000-1751</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length: 1.5 m; Accuracy class: 1; Feedthrough for measurement conductor 175 mm | 855-9150<br>/2000-1751 |
|    | <b>Item no.: 855-9150/2000-701</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length: 1.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm   | 855-9150<br>/2000-701  |
|    | <b>Item no.: 855-9300/2000-000</b><br>Rogowski coil; Primary rated current: 2000 A; Output signal: 40.2 mV; Cable length: 3 m                                                                          | 855-9300<br>/2000-000  |
|    | <b>Item no.: 855-9300/500-000</b><br>Rogowski coil; Primary rated current: 500 A; Output signal: 10.05 mV; Cable length: 3 m                                                                           | 855-9300<br>/500-000   |
|    | <b>Item no.: 855-9450/2000-1251</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 125 mm  | 855-9450<br>/2000-1251 |
|   | <b>Item no.: 855-9450/2000-1751</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 175 mm  | 855-9450<br>/2000-1751 |
|  | <b>Item no.: 855-9450/2000-701</b><br>Rogowski coil; Primary rated current 4000 A; Output signal 22.5 mV per kA; Cable length 4.5 m; Accuracy class: 1; Feedthrough for measurement conductor 70 mm    | 855-9450<br>/2000-701  |

## General accessories

|                                                                                    |                                                                                                                              |           |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------|
|  | <b>Item no.: 2007-8874</b><br>Compact terminal block; for current and voltage transformers                                   | 2007-8874 |
|  | <b>Item no.: 2007-8877</b><br>Compact terminal block; for current transformer circuit                                        | 2007-8877 |
|  | <b>Item no.: 855-8001</b><br>Power tap; with fuse; 2,5 mm <sup>2</sup> (12 AWG) - 6 mm <sup>2</sup> (10 AWG); Phase          | 855-8001  |
|  | <b>Item no.: 855-8002</b><br>Power tap; without fuse; 2,5 mm <sup>2</sup> (12 AWG) - 6 mm <sup>2</sup> (10 AWG); N-conductor | 855-8002  |
|  | <b>Item no.: 855-8003</b><br>Power tap; with fuse; 10 mm <sup>2</sup> (8 AWG) - 16 mm <sup>2</sup> (6 AWG); Phase            | 855-8003  |
|  | <b>Item no.: 855-8004</b><br>Power tap; without fuse; 10 mm <sup>2</sup> (8 AWG) - 16 mm <sup>2</sup> (6 AWG); N-conductor   | 855-8004  |

## Marking accessories

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



|                                                                                    |                                                                                                                               |           |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
|    | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /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  |
|  | <b>Item no.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /0000-024 | 248-501  |

|                                                                                   |                                                                                                               |         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|
|   | <b>Item no.: 750-103</b><br>Group marker carrier                                                              | 750-103 |
|   | <b>Item no.: 750-107</b><br>Group marker carrier                                                              | 750-107 |
| <b>shield connection</b>                                                          |                                                                                                               |         |
|   | <b>Item no.: 790-108</b><br>Shield clamping saddle; 11 mm wide; diameter of compatible conductor              | 790-108 |
|   | <b>Item no.: 790-116</b><br>Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm | 790-116 |
|   | <b>Item no.: 790-124</b><br>Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm | 790-124 |
|   | <b>Item no.: 790-140</b><br>Shield clamping saddle; diameter of compatible conductor                          | 790-140 |
|   | <b>Item no.: 790-208</b><br>Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm                                  | 790-208 |
|   | <b>Item no.: 790-216</b><br>Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm                                 | 790-216 |
|  | <b>Item no.: 790-220</b><br>Shield clamping saddle; 30 mm wide; 6 ... 20 mm                                   | 790-220 |

**Downloads****Documentation****Manual**

|                                                |         |               |          |
|------------------------------------------------|---------|---------------|----------|
| 3-Phase Power Measurement Module /XTR<br>690 V | V 1.1.0 | pdf<br>5.4 MB | Download |
|------------------------------------------------|---------|---------------|----------|

**Bid Text**

|                 |  |                |          |
|-----------------|--|----------------|----------|
| 750-495/040-002 |  | doc<br>36.9 kB | Download |
|-----------------|--|----------------|----------|

**Additional Information**

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

**System Description**

|                                                                                          |         |               |          |
|------------------------------------------------------------------------------------------|---------|---------------|----------|
| System Manual /XTR<br>Basic conditions and recommendations for higher operational safety | V 1.2.0 | pdf<br>2.9 MB | Download |
|------------------------------------------------------------------------------------------|---------|---------------|----------|

|                                                         |  |               |          |
|---------------------------------------------------------|--|---------------|----------|
| 750 XTR Series I/O-System – General Product Information |  | pdf<br>1.1 MB | Download |
|---------------------------------------------------------|--|---------------|----------|



Overview on WAGO-I/O-SYSTEM 750 approvals

pdf  
780.2 kB

Download

## CAD/CAE - Smart Data

### CAD data

3D Download 750-495/040-002

URL

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## Product family

### 750 XTR Series – I/O System

I/O-System 750 XTR: Dort automatisieren, wo jedes andere System an seine Grenzen stößt – und das zuverlässig und wirtschaftlich! XTR – dieses Kürzel im Systemnamen steht für extremen Schutz vor klimatischen Einflüssen, Schwingungen, Erschütterungen und Überspannungen.

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Subject to changes.