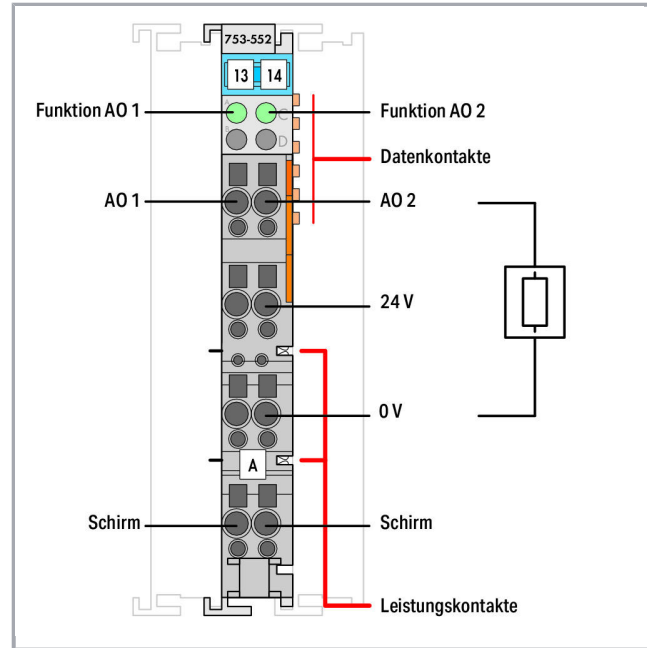
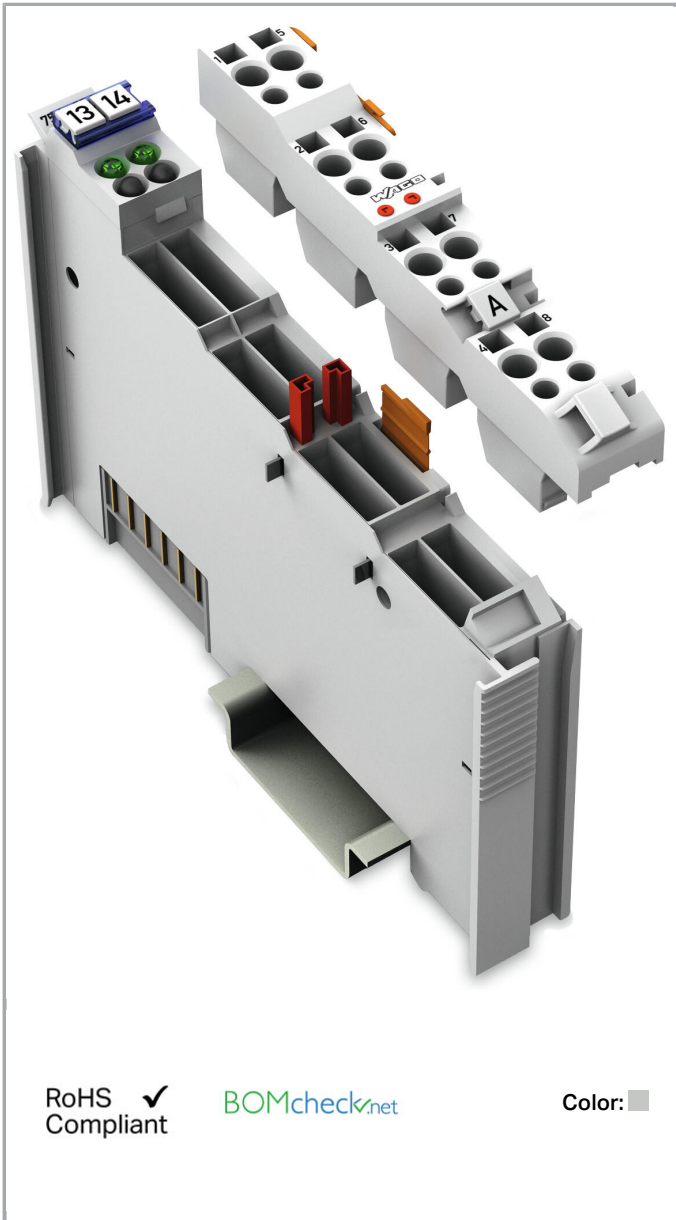


Data sheet | Item number: 753-552

2-channel analog output; 0 ... 20 mA; light gray

www.wago.com/753-552



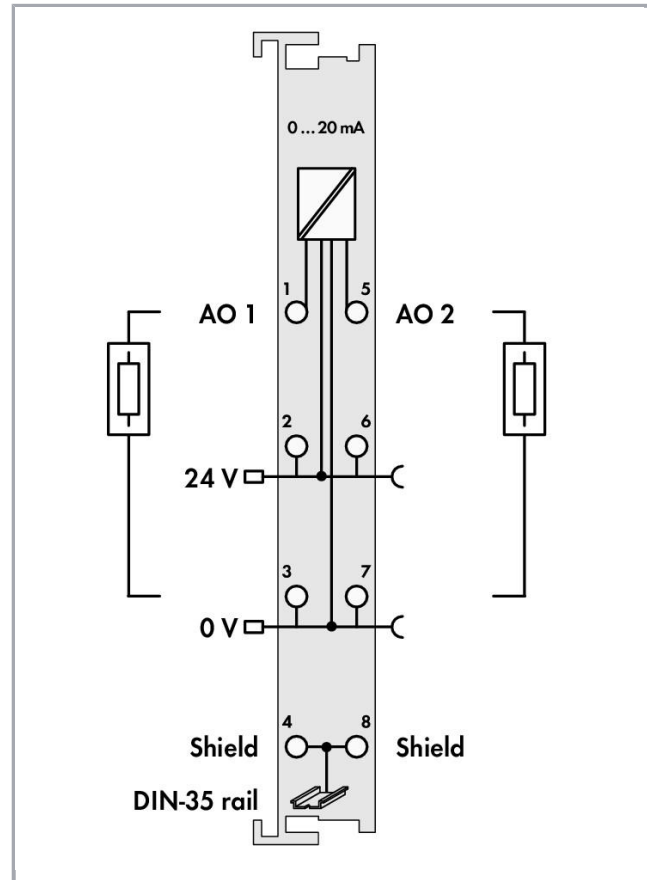
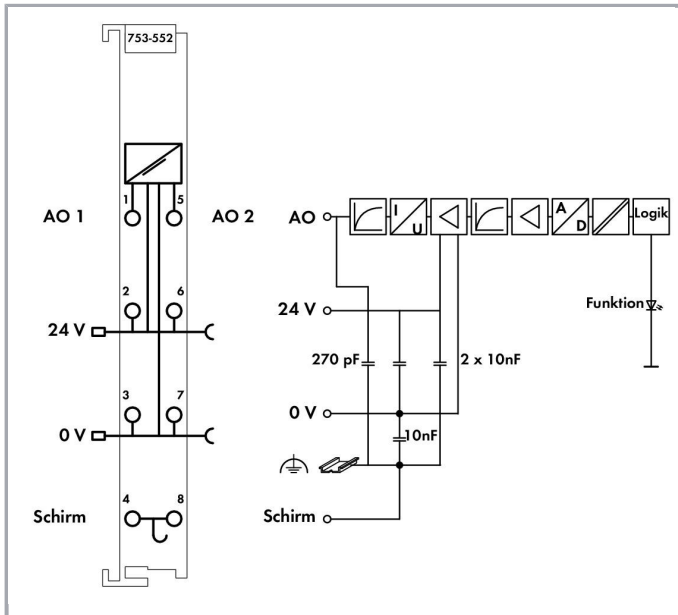
RoHS Compliant

Color:

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

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Item description

This analog output module generates standard 0–20 mA signals.

The output signal is electrically isolated and transmitted with a resolution of 12 bits.

Power is derived from the field side.

Note:

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

Data

Technical Data

| | |
|-----------------------------------|---|
| Number of analog outputs | 2 |
| Total number of channels (module) | 2 |

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



| Type of signal | Electricity |
|---|--|
| Type of signal current | DC 0 ... 20 mA |
| Actuator connection | 2 x (2-wire) |
| Resolution [bit] | 12 Bit |
| Bit width | 2 x 16-bit data; 2 x 8-bit control/status (optional) |
| Load impedance (output/current) | ≤ 600 Ω |
| Conversion time (typ. ≤) | 2 ms |
| Messfehler, Bezugstemperatur | 25 °C |
| Messfehler, Abweichung max. vom Messbereichsendwert | 0.1 % |
| Temperaturfehler max. vom Messbereichsendwert | 0.01 %/K |
| Linearity | ±10 µA |
| System supply voltage | DC 5 V; via data contacts |
| Current consumption, system supply (5 V) | 70 mA |
| Field supply voltage | DC 24 V (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |
| Isolation | 500 V system/field |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |

Connection data

| | |
|------------------------------------|--|
| Connection technology: In-/Outputs | 8 x CAGE CLAMP® |
| Connection type (1) | Inputs/Outputs |
| Solid conductor | 0,08 ... 2,5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0,08 ... 2,5 mm ² / 28 ... 14 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |

Geometrical Data

| | |
|---------------------------------------|----------------------|
| Width | 12 mm / 0.472 inch |
| Height | 69,8 mm / 2.748 inch |
| Height from upper-edge of DIN-35 rail | 62,6 mm / 2.465 inch |
| Depth | 100 mm / 3.937 inch |

Mechanical data

| | |
|---------------------|-------------|
| Type of mounting | DIN-35 rail |
| Pluggable connector | yes |

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



Material Data

| | |
|--------------------|------------------------------|
| Color | light gray |
| Housing material | Polycarbonate, polyamide 6.6 |
| Weight | 44.1 g |
| Conformity marking | CE |

Environmental Requirements

| | |
|--|---------------------------------------|
| Surrounding air (operating) temperature | 0 ... 55 °C |
| Surrounding air (storage) temperature | -40 ... 85 °C |
| Protection class | IP20 |
| Degree of pollution (5) | 2 per IEC 61131-2 |
| Operating altitude | 0 ... 2000 m |
| Mounting position | horizontal (standing/lying); vertical |
| Relative air humidity (no condensation) | 95 % |
| Vibration resistance | 4g per IEC 60068-2-6 |
| Shock resistance | 15g per IEC 60068-2-27 |
| EMC immunity to interference | per EN 61000-6-2, marine applications |
| EMC emission of interference | per EN 61000-6-4, marine applications |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

Commercial data

| | |
|--------------------|-----------------|
| Product Group | 15 (Remote I/O) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454394585 |
| Customs Tariff No. | 85389099990 |

Approvals / Certificates

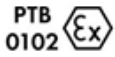


Ex-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | | | |


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| | | | |
|--|--|--------------------|---|
|  | <p>ATEX TUEV Nord Cert GmbH</p> | <p>EN 60079-0</p> | <p>TÜV 07 ATEX 554086 X en.</p> |
|  | <p>TUEV Nord TUEV Nord Cert GmbH</p> | <p>IEC 60079-0</p> | <p>IECEX TUN 09.0001 X</p> |
|  | <p>UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)</p> | <p>UL 121201</p> | <p>E198726 Sec.1</p> |

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|-------------------------------|--------------------------------------|
|  | <p>KC National Radio Research Agency</p> | <p>Article 58-2, Clause 3</p> | <p>MSIP- REM-W43- AOM750</p> |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|-----------------------------------|
|  | <p>ABS American Bureau of Shipping</p> | <p>-</p> | <p>19- HG1821926</p> |
|  | <p>BV Bureau Veritas S.A.</p> | <p>-</p> | <p>13453/DO BV</p> |
|  | <p>DNV GL Det Norske Veritas, Germanischer Lloyd</p> | <p>-</p> | <p>TAA0000194</p> |
|  | <p>KR Korean Register of Shipping</p> | <p>-</p> | <p>KR HMB05880- AC001</p> |
|  | <p>LR Lloyds Register</p> | <p>-</p> | <p>02/20026 (E6)</p> |

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



PRS
Polski Rejestr Statków

-

TE/2236
/880590/19




RINA
RINA Germany GmbH

-

ELE066419XG


UL-Approvals

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

Counterpart

Compatible products

system box

| | | |
|--|---|--|
| | Item no.: 850-804 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 4 x M20, 16 x M16, 28 x M12 cable grip | www.wago.com/850-804 |
| | Item no.: 850-804/000-001 IP65 enclosure; Stainless steel; WxHxD (400x123x200 mm); 2 x M20, 13 x M16, 32 x M12 cable grip | www.wago.com/850-804/000-001 |
| | Item no.: 850-805 IP65 enclosure; Stainless steel; WxHxD (600x123x200 mm); 4 x M20, 19 x M16, 67 x M12 cable grip | www.wago.com/850-805 |
|  | Item no.: 850-814/002-000 IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate | www.wago.com/850-814/002-000 |

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

www.wago.com/850-815/002-000



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

www.wago.com/850-816/002-000

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

www.wago.com/850-817/002-000

Item no.: 850-825
IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

www.wago.com/850-825

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

www.wago.com/850-826

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

www.wago.com/850-826/002-000

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

www.wago.com/850-827



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

www.wago.com/850-827/002-000

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

www.wago.com/850-828

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

www.wago.com/850-828/002-000



Item no.: 850-834
IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

www.wago.com/850-834

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

www.wago.com/850-835

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

www.wago.com/850-836

Supply module

Item no.: 750-601
Power Supply; 24 VDC; fuse holder; light gray

www.wago.com/750-601

Item no.: 750-602
Power Supply; 24 VDC; light gray

www.wago.com/750-602

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

Item no.: 750-610

Power Supply; 24 VDC; fuse holder; Diagnostics

www.wago.com/750-610**Item no.: 750-612**

Power Supply; 0 ... 230 V AC/DC; light gray

www.wago.com/750-612**Item no.: 753-602**

Power Supply; 24 VDC; -

www.wago.com/753-602**Item no.: 753-612**

Power Supply; 0 ... 230 V AC/DC; -

www.wago.com/753-612**pluggable wiring tier****Item no.: 753-110**

Plug; light gray

www.wago.com/753-110**Item no.: 753-150**

753 Series coding elements; red

www.wago.com/753-150**shield connection****Item no.: 790-108**

Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm

www.wago.com/790-108**Item no.: 790-116**

Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

www.wago.com/790-116**Item no.: 790-124**

Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

www.wago.com/790-124**Item no.: 790-140**

Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140**Item no.: 790-208**

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

www.wago.com/790-208**Item no.: 790-216**

Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

www.wago.com/790-216**Item no.: 790-220**

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

www.wago.com/790-220**Carrier rail****Item no.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

www.wago.com/210-112**Item no.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-113**Item no.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

www.wago.com/210-114**Item no.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

www.wago.com/210-115

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

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





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| | | |
|--|---|--|
| | Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-118 |
|  | Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | www.wago.com/210-196 |
|  | Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 | www.wago.com/210-197 |
| | Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | www.wago.com/210-198 |
| | Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715 | www.wago.com/210-504 |
| | Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | www.wago.com/210-505 |
| | Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715 | www.wago.com/210-506 |
| | Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715 | www.wago.com/210-508 |
| Marking accessories | | |
| | Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
| | 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; white /000-002 | www.wago.com/2009-145 |
| | 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 /000-005 | www.wago.com/2009-145 |
|  | 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 /000-006 | www.wago.com/2009-145 |
|  | 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; white /000-007 | www.wago.com/2009-145 |
|  | 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 | www.wago.com/2009-145 |
|  | 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 | www.wago.com/2009-145 |
| | Item no.: 2009-145/000-024 | |

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

| | | |
|--|--|--|
|  | Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
|  | Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card | www.wago.com/248-501 |
| | Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
|  | Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
| | Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
| | Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |
| | Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/248-501/000-012 |
|  | Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green | www.wago.com/248-501/000-017 |
| | 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 |
| | Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/248-501/000-024 |
| | Item no.: 709-198 Marking strips; white | www.wago.com/709-198 |
|  | Item no.: 750-100 Marker card; as a DIN A4 sheet; plain; white | www.wago.com/750-100 |
|  | Item no.: 750-103 Group marker carrier; transparent | www.wago.com/750-103 |
|  | Item no.: 750-106 Group marker carrier; transparent | www.wago.com/750-106 |

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



Downloads

Documentation

Manual

| | | | |
|-------------------|---------|---------------|----------|
| 2-channel, 0-20mA | V 1.2.0 | pdf 2.1 MB | Download |
|-------------------|---------|---------------|----------|

Additional Information

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

System Description

| | | | |
|---|--|-----------------|----------|
| 750/753 Series I/O-System – General Product Information | | pdf 1.7 MB | Download |
| Overview on WAGO-I/O-SYSTEM 750 approvals | | pdf 780.2 kB | Download |

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 753-552 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 753-552 | | URL | Download |
| WSCAD Universe 753-552 | | URL | Download |

Installation Notes

Product family

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

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