



Short description:

WAGO's analog manually operated module (789-811) monitors 0 ... 3 analog inputs. Depending on both manual/automatic switch and watchdog input, 0 to 10 V set voltage is transmitted to the output.

Electrical data

| | |
|---------------------------|---|
| Nominal operating voltage | 24 VDC |
| Operating voltage range | ±20 % |
| Inputs | No. 1 / 10: 24 V; Operating voltage supply No. 2: GND No. 3 / 4 / 5 / 6: AI-0 ... 3; Input 0 ... 3; 0 ... 10 V / max. 20 mA No. 11: WD-IN; Watchdog input; 24 V / max. 20 mA |
| Outputs | No. 7: H-C; Manual operation; "closed" No. 8: H-CM; Manual operation; "common" No. 9: H-O; Manual operation; "open" No. 12 / 15 / 18 / 21: DO-0 ... 3-NC; Channel 0 ... 3; Break contact; 250 VAC / 30 VDC; 8 A No. 13 / 16 / 19 / 22: DO-0 ... 3-CM; Channel 0 ... 3; Common No. 14 / 17 / 20 / 23: DO-0 ... 3-NO; Channel 0 ... 3; Make contact; 250 VAC / 30 VDC; 8 A |

Connection data

Connection 1

| | |
|-------------------------|--|
| Connection type | Input |
| Connection technology | CAGE CLAMP® |
| WAGO connector | WAGO 734 Series |
| Solid conductor | 0.08 ... 1.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 1.5 mm ² / 28 ... 14 AWG |
| Strip length | 7 mm / 0.28 inches |

Connection 2

| | |
|-------------------------|--|
| Connection type | Output |
| Connection technology | CAGE CLAMP® |
| WAGO connector | WAGO 231 Series |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |

Physical data

| | |
|-----------------------------------|-----------------------|
| Width | 106 mm / 4.173 inches |
| Height | 90 mm / 3.543 inches |
| Depth from upper-edge of DIN-rail | 58 mm / 2.283 inches |

Mechanical data

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|----------------|--------------------------|
| Mounting type | DIN-35 rail |
| Housing design | DIN-rail-mount enclosure |

Material data

| | |
|-----------|---------|
| Fire load | 0.66 MJ |
| Weight | 199.5 g |

Environmental requirements

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|---------------------------------|----------------|
| Ambient temperature (operation) | 0 ... +50 °C |
| Ambient temperature (storage) | -25 ... +70 °C |

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821233800 |
| Customs tariff number | 85389091890 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 32151705 |
| eCl@ss 10.0 | 27-37-12-16 |
| eCl@ss 9.0 | 27-37-12-16 |
| ETIM 9.0 | EC000225 |
| ETIM 8.0 | EC000225 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|---|---|
| CAS-No. | 1303-86-2 1317-36-8 7439-92-1 |
| REACH Candidate List Substance | Diboron trioxide Lead Lead monoxide |
| RoHS Compliance Status | Compliant, No Exemption |
| SCIP notification number (Austria) | d2aa60b9-6f1c-454c-86e0-91c6ee9239ab |
| SCIP notification number (Belgium) | 3eae0100-20da-4ac4-aa4b-54986ee16403 |
| SCIP notification number (Bulgaria) | dafd93c3-098a-4807-b759-e7d545b3c801 |
| SCIP notification number (Czech Republic) | 5d7907ec-0372-40d8-9846-5109f9847eaf |
| SCIP notification number (Denmark) | 624662d8-2166-478f-ba9c-434f17e4a49e |
| SCIP notification number (Finland) | ffc24c65-00e2-40d1-8e4d-2aded777141c |
| SCIP notification number (France) | 5b28d66a-a56b-496b-8983-6de5f9e1c0b3 |
| SCIP notification number (Germany) | 3ea91932-d981-4641-847a-dcb152d62d08 |
| SCIP notification number (Hungary) | a733c833-2b00-4185-be20-3252b8080acd |
| SCIP notification number (Italy) | da7ee25a-d4da-4512-9441-aa3318fb1235 |
| SCIP notification number (Netherlands) | eb7e7290-8410-4cb5-9ad3-951124d201c0 |
| SCIP notification number (Poland) | 9c0079c2-097c-424b-a6b6-4beb79df994f |
| SCIP notification number (Romania) | 7dc52fc8-5119-4840-b829-91ffb611a094 |
| SCIP notification number (Sweden) | a3324302-bb0d-4e40-85b5-48fbcf721a8c |

Downloads

Environmental Product Compliance

| | |
|--|-------------------|
| Compliance Search | |
| Environmental Product Compliance 789-811 | ↓ |

Documentation

| | | | |
|-----------------|------------|-----------------|-------------------|
| Bid Text | | | |
| 789-811 | 19.02.2019 | xml 4.16 KB | ↓ |
| 789-811 | 11.02.2015 | doc 25.50 KB | ↓ |

| | | | |
|---|-----------------------|-------------------|-------------------|
| Instruction Leaflet | | | |
| Operation and Assembly Instructions Interface | V 1.0.0 02.04.2025 | pdf 1246.19 KB | ↓ |

CAD/CAE-Data

| | |
|---------------------------|-------------------|
| CAE data | |
| EPLAN Data Portal 789-811 | ↓ |
| WSCAD Universe 789-811 | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-241

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-284

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured