

Notes

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|--------------------|--|
| Safety Information | A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements. |
| Note | Reinforced insulation between coil and contacts To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit. |

Technical data

Control circuit

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|--------------------------------|------------|
| Nominal input voltage U_N | 24 VDC |
| Input voltage range | $\pm 10\%$ |
| Nominal input current at U_N | 19 mA |

Load circuit

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|--|--|
| Number of changeover/switchover contacts | 1 |
| Contact material (relay) | AgNi 90/10 |
| Limiting continuous current | 16 A |
| Inrush current (resistive) max. | (AC) 30 A / 4 s |
| Switching Voltage, Max. | 250 VAC |
| Switching power (resistive) max. | AC 4000 VA; DC (see load limit curve) |
| Switching capacity | AC-15: 6 A / 250 VAC; DC-13: 2 A / 24 VDC |
| Recommended minimum load | 12 V / 10 mA |
| Pull-in time (typ.) | 8 ms |
| Drop-out time (typ.) | 6 ms |
| Bounce time (typ.) | 6 ms |
| Electrical life (NO; resistive load; 23 °C) | 30×10^3 switching operations |
| Mechanical life | 30×10^6 switching operations |
| Switching frequency with/without load (max.) | 6 min^{-1} / 1200 min^{-1} |

Signaling

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|------------------|-----------|
| Status indicator | Green LED |
|------------------|-----------|

Safety and protection

| | |
|--|---|
| Rated Voltage | 250 V |
| Rated impulse withstand voltage | 4 kV |
| Pollution degree | 3 |
| Dielectric strength (control/load circuit) (AC, 1 min) | 5 kVrms |
| Dielectric strength (open contact) (AC, 1 min) | 1 kVrms |
| Safety Information | A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements. |
| Protection type | IP20 |

Connection Data

| | |
|-------------------------|--|
| Connection technology | Push-in CAGE CLAMP® |
| Solid conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inches |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 15 mm / 0.591 inches |
| Height | 86 mm / 3.386 inches |
| Depth from upper-edge of DIN-rail | 54 mm / 2.126 inches |

Mechanical data

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

Material data

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|----------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Fire load | 0.916 MJ |
| Weight | 45.6 g |

Environmental requirements

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|---|--|
| Ambient temperature (operation at U_N) | -40 ... +70 °C |
| Ambient temperature (storage) | -40 ... +70 °C |
| Processing temperature | -25 ... +50 °C |
| Temperature range of connection cable | $\geq (T_{\text{ambient}} + 20 \text{ K})$ |

Standards and Specifications

| | |
|--------------------------|--|
| Standards/specifications | EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 10 A) |
|--------------------------|--|

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 20 (1) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143028363 |
| Customs tariff number | 85364900990 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39122334 |
| ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|---|--------------------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
| SCIP notification number (Austria) | d3fee6ee-50ec-4595-b8a3-8e030578ee7f |
| SCIP notification number (Belgium) | a9a20fd8-c2ec-440b-ae42-0c28122355d3 |
| SCIP notification number (Bulgaria) | 8bcada16-d032-4084-b79c-ed877728467a |
| SCIP notification number (Czech Republic) | f328153c-0369-4123-86e3-58a3c0a8dbe7 |
| SCIP notification number (Denmark) | 8d37d959-1302-4e2f-88bb-843e2fc11d4c |
| SCIP notification number (Finland) | 93b7a8bf-9f70-4ea0-aedc-69c5090cc488 |
| SCIP notification number (France) | dda43599-6fa0-49a7-b2c8-7a59413ed435 |
| SCIP notification number (Germany) | f0205c1c-46d1-44f1-b330-e86da6b42e49 |
| SCIP notification number (Hungary) | d83208f0-23d9-4b81-ab80-1aefe1a96209 |
| SCIP notification number (Italy) | 2ff50673-ab05-4957-93b3-3ef7d7afa88c |
| SCIP notification number (Netherlands) | 44985f8a-7610-4d07-b851-269462d99cfe |

Environmental Product Compliance

| | |
|------------------------------------|--------------------------------------|
| SCIP notification number (Poland) | cc064473-3be4-4ab4-a6e3-44e41f930656 |
| SCIP notification number (Romania) | 93c9eb94-527f-48a7-9776-6f9e5f718393 |
| SCIP notification number (Sweden) | f0a2b9d9-b7d1-47f3-9b5d-2c2b3a81cc39 |

Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



| Approval | Standard | Certificate Name |
|---|----------------|---------------------|
| EAC GZO Almaty Standart | TP TC 004/2011 | EAC CoC 03084 |
| UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508 | E175199 Vol.1 Sec.6 |

| Approval | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| Compliance Search | |
|---|-------------------|
| Environmental Product Compliance 788-304/001-000 | ↓ |

Documentation

| Instruction Leaflet | | | |
|------------------------------------|-----------------------|-------------------|-------------------|
| Sockets with Elementary Relay/ SSR | V 1.0.1 09.10.2020 | pdf 2271.22 KB | ↓ |

CAD/CAE-Data

| CAD data | |
|---------------------------------|-------------------|
| 2D/3D Models 788-304/001-000 | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



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.: 216-243
 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.: 216-244
 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.: 216-542
 Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long; red

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 788-118
 Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray



Item No.: 788-113
 Jumper; for jumper slot; 2-way; insulated; light gray



Item No.: 859-402
 Jumper; for jumper slot; 2-way; insulated; light gray



Item No.: 788-114
 Jumper; for jumper slot; 3-way; insulated; light gray



Item No.: 788-115
 Jumper; for jumper slot; 4-way; insulated; light gray



Item No.: 788-116
 Jumper; for jumper slot; 6-way; insulated; light gray



Item No.: 788-117
 Jumper; for jumper slot; 8-way; insulated; light gray

1.1.3 Marking

1.1.3.1 Double marker carrier



Item No.: 209-128
 Adaptor; gray

1.1.3.2 Group marker carrier



Item No.: 249-105
 Group marker carrier; gray



Item No.: 209-145
 Group marker carrier; white

1.1.3.3 Marker



Item No.: 209-183
 Marker; white



Item No.: 793-502
 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-503
 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-504
 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

1.1.3.3 Marker



Item No.: 793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.3.4 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.3.5 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.3.6 Protective marker cover



Item No.: 209-184

Protection cover; transparent

1.1.4 Tool

1.1.4.1 Operating tool

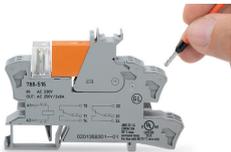


Item No.: 210-720

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

Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.