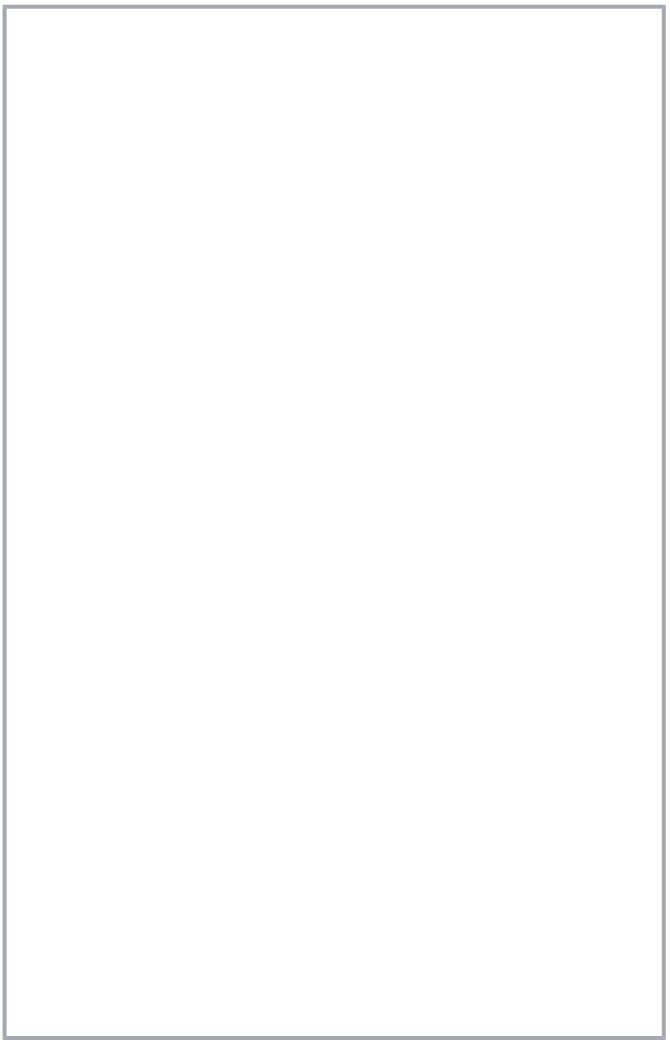
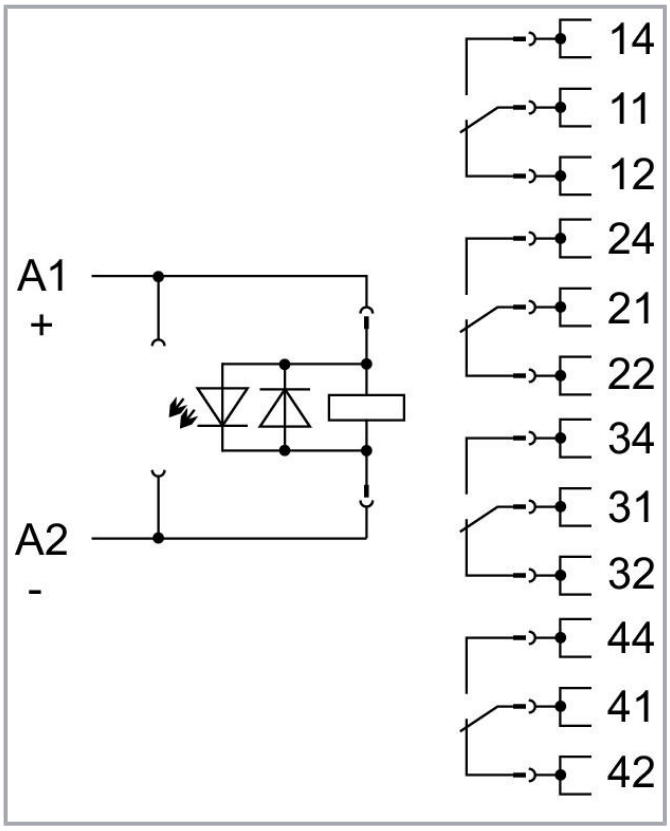
Relay module; Nominal input voltage: 24 VDC; 4 changeover contacts;
Limiting continuous current: 5 A; with manual operation; Red status indicator;
Module width: 31 mm; 1,50 mm²

www.wago.com/858-304

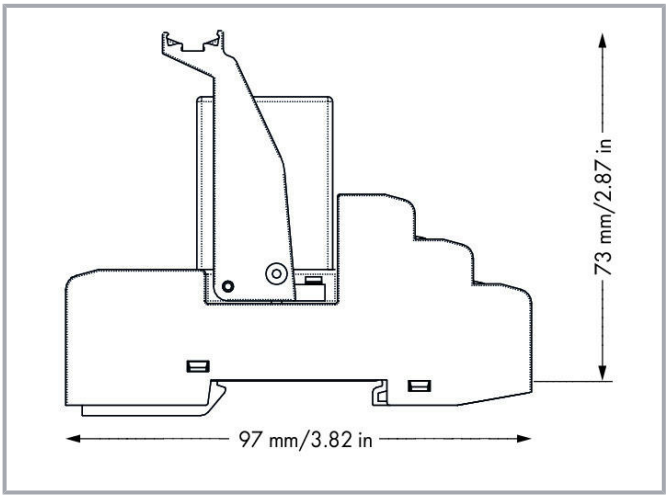


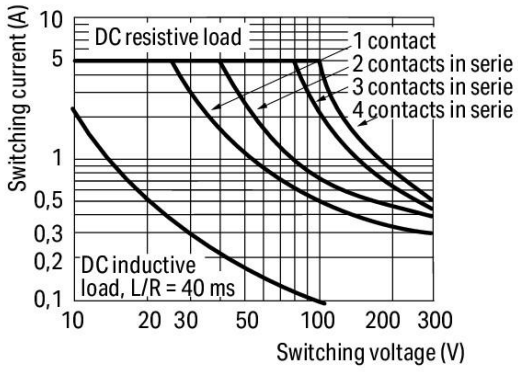



Subject to changes. Please also observe the further product documentation!

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DC load limit curve

## Data

## Technical data

### Control circuit

| | |
|---|---|
| Nominal input voltage $U_N$ | DC 24 V |
| Input voltage range | -20 … +10 % |
| Nominal input current at $U_N$ | 36.9 mA |

### Load circuit

| | |
|---|---|
| Number of changeover/switchover contacts | 4 |
| Contact material (relay) | AgCe |
| Limiting continuous current | 5 A |
| Inrush current (resistive) (max.) | (AC) 15 A / 4 s |
| Switching voltage (max.) | AC 250 V |
| Switching power (resistive) (max.) | AC 1250 VA; DC (see load limit curve) |
| Switching capacity | AC-15: 1 A / AC 240 V; DC-13: 2 A / DC 24 V |
| Recommended minimum load | 12 V / 100 mA |
| Pull-in time (typ.) | 25 ms |
| Drop-out time (typ.) | 25 ms |
| Bounce time (typ.) | 4 ms |
| Electrical life (NO; resistive load; 23 °C) | 100 x $10^3$ switching operations |

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| | |
|---|---|
| Mechanical life | 20 x $10^6$ switching operations |

## Signaling

| | |
|---|---|
| Status indicator | Red LED<br>Mechanical |

## Safety and protection

| | |
|---|---|
| Rated voltage | 300 V |
| Rated surge voltage | 2.5 kV |
| Pollution degree | 2 |
| Dielectric strength, control/load circuit (AC, 1 min) | 1.5 kVrms |
| Dielectric strength, open contact (AC, 1 min) | 1 kVrms |
| Dielectric strength, load/load circuit (AC, 1 min) | 1.5 kVrms |
| Insulation type (control/load circuit) | Basic insulation |
| Insulation type (load/load circuit) | Basic insulation |
| Insulation type (adjacent devices) | Reinforced insulation (safe isolation) |
| Protection type | IP20 |

## Connection data

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Solid conductor | 0.34 … 1.5 mm² / 22 … 16 AWG |
| Fine-stranded conductor | 0.34 … 1.5 mm² / 22 … 16 AWG |
| Strip length | 9 … 10 mm / 0.35 … 0.39 inch |
| Note (conductor cross-section) | 2 x 0.34 … 2 x 1.5 mm² / 1 x 2.5 mm² / 2 x 22 … 2 x 16 AWG |

## Physical data

| | |
|---|---|
| Width | 31 mm / 1.22 inch |
| Height | 97 mm / 3.819 inch |
| Depth from upper edge of DIN-rail | 73 mm / 2.874 inch |

## Mechanical data

| | |
|---|---|
| Mounting type | DIN-35 rail |
| Mounting position | horizontal (standing/lying); vertical |

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## Material data

| | |
|---|---|
| Fire load | 0.543 MJ |
| Weight | 96.6 g |

## Environmental requirements

| | |
|---|---|
| Surrounding air temperature (operation at $U_N$) | -25 … 70 °C |
| Surrounding air (operating) temperature for UL | -25 … 50 °C |
| Surrounding air temperature (storage) | -40 … 70 °C |
| Processing temperature | -25 … +50 °C |
| Relative humidity | 5 … 85 % |
| Operating altitude (max.) | 2000 m |

## Standards and specifications

| | |
|---|---|
| Standards/Specifications | EN 61010-2-201<br>EN 61810-1<br>EN 61373<br>GL<br>UL 508 (max. 50 °C) |

## Basic relay

| | |
|---|---|
| WAGO Basic Relay | 858-150 |

## Commercial data

| | |
|---|---|
| Product Group | 6 (Interface Electronics) |
| PU (SPU) | 5 (1) Stück |
| Packaging type | box |
| Country of origin | CN |
| GTIN | 4055143567770 |
| Customs tariff number | 85364900990 |

## Approvals / Certificates

### Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **DNV GL**<br>Det Norske Veritas, Germanischer Lloyd | - | TAA00001D1 |

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| | | | |
|---|---|---|---|
| | **NK**<br>Nippon Kaiji Kyokai | - | TA17255M |
| | **PRS**<br>Polski Rejestr Statków | - | TE/2186<br>/880590/18 |

**UL-Approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **UL**<br>UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508 | E175199<br>Sec.6 |

## Optional accessories

**Ferrule**

Ferrule

| | | |
|---|---|---|
| | **Item no.: 216-241**<br>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 | www.wago.com/216-241 |
| | **Item no.: 216-242**<br>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 | www.wago.com/216-242 |
| | **Item no.: 216-243**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
| | **Item no.: 216-244**<br>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 | www.wago.com/216-244 |

**Indicators**

Operation status indicator

| | | |
|---|---|---|
| | **Item no.: 788-120**<br>Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC | www.wago.com/788-120 |

**Mounting**

Socket without relay

| | | |
|---|---|---|
| | **Item no.: 858-110**<br>Mounting bracket | www.wago.com/858-110 |

**Marking accessories**

Marking strip

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| | | |
|---|---|---|
|  | **Item no.: 2009-110**<br>Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
| Marking device | | |
|  | **Item no.: 210-110**<br>Fiber-tip pen | www.wago.com/210-110 |
| Double marker carrier | | |
|  | **Item no.: 209-128**<br>Adaptor; gray | www.wago.com/209-128 |
| Protective marker cover | | |
|  | **Item no.: 209-184**<br>Protection cover; transparent | www.wago.com/209-184 |
| Marker | | |
|  | **Item no.: 2009-115**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115 |
|  | **Item no.: 209-183**<br>Marker card; white | www.wago.com/209-183 |
|  | **Item no.: 793-501**<br>WMB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/793-501 |
|  | **Item no.: 793-502**<br>WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-502 |
|  | **Item no.: 793-503**<br>WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-503 |
|  | **Item no.: 793-504**<br>WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-504 |
|  | **Item no.: 793-505**<br>WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-505 |
|  | **Item no.: 793-506**<br>WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-506 |
|  | **Item no.: 793-566**<br>WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-566 |
|  | **Item no.: 793-5501**<br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/793-5501 |

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

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Group marker carrier



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

www.wago.com/209-145



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

www.wago.com/249-105

**Jumpers**

Jumper



Item no.: 858-402
Jumper

www.wago.com/858-402

**Tool**

Operating tool



Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

## Downloads

### Documentation

**Bid Text**

| | | | |
|---|---|---|---|
| 858-304<br>docx - Datei | 2019. 2. 20. | docx<br>17.3 kB | Download |
| 858-304<br>X81 - Datei | 2019. 2. 19. | xml<br>4.8 kB | Download |

**Instruction Leaflet**

| | | | |
|---|---|---|---|
| Stecksockel für Elementarrelais | | pdf<br>2.6 MB | Download |

**Additional Information**

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

## CAD/CAE-Data

**CAD data**

2D/3D Models 858-304

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| | URL | Download |
|---|---|---|

**CAE data**

| | | |
|---|---|---|
| EPLAN Data Portal 858-304 | URL | Download |
| WSCAD Universe 858-304 | URL | Download |
| ZUKEN Portal 858-304 | URL | Download |

## Environmental Product Compliance

**Compliance Search**

| | | |
|---|---|---|
| Environmental Product Compliance 858-304<br>Relay module; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Red status indicator; Module width: 31 mm; 1,50 mm² | URL | Download |

## Installation Notes

**Commoning**





Removing a jumper via screwdriver.

**Marking**



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Marking using WMB Multi markers and group marker carriers.

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