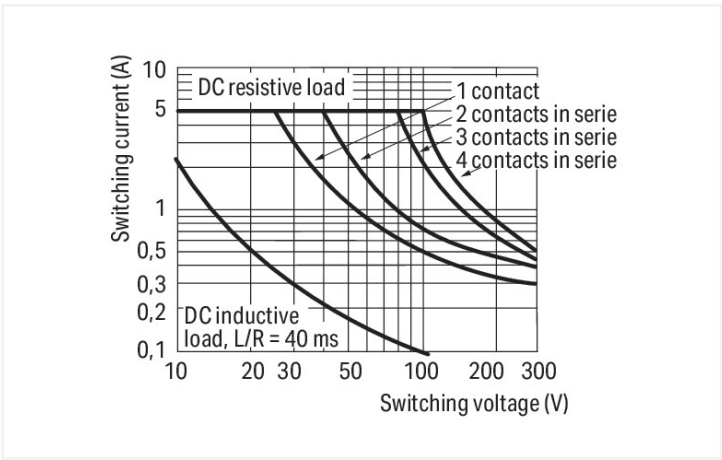
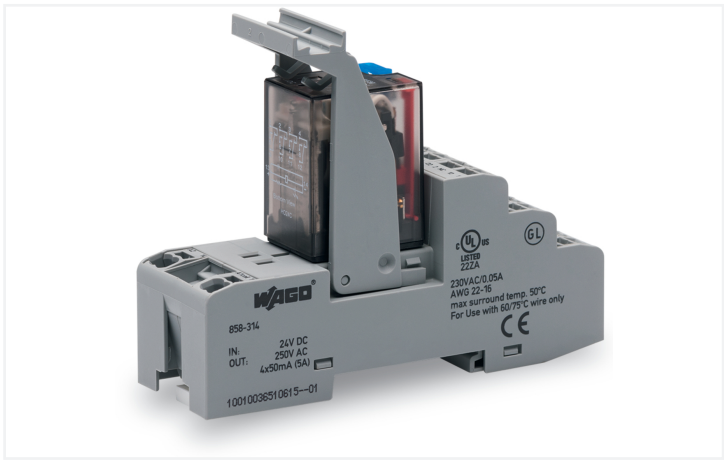


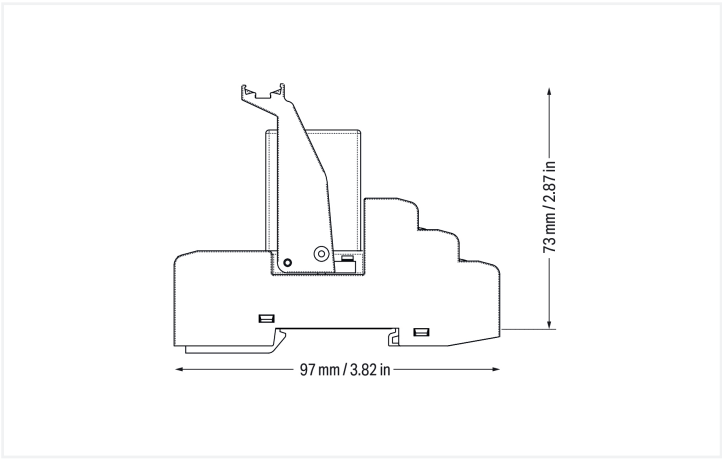
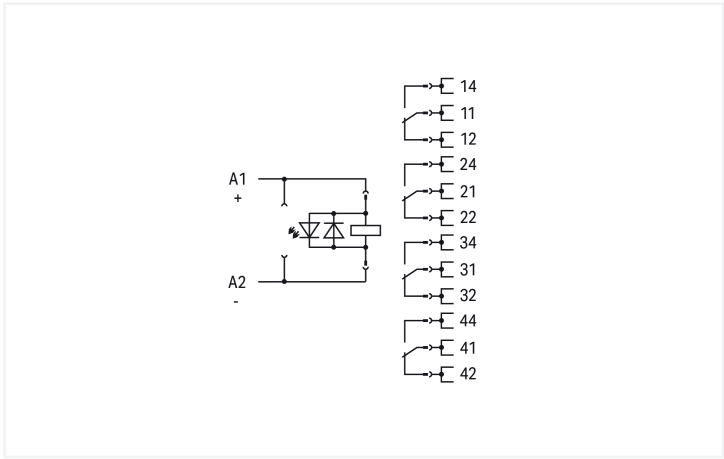
**Data Sheet | Item Number: 858-314**

Relay module; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Red status indicator; Module width: 31 mm; 1,50 mm<sup>2</sup>

<https://www.wago.com/858-314>



DC load limit curve



| Notes |                                                                                                                                                                                                                                    |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note  | To prevent damaging the gold layer, 30 VDC switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life. |

| Technical data                           |                                             |
|------------------------------------------|---------------------------------------------|
| Control circuit                          |                                             |
| Nominal input voltage $U_N$              | 24 VDC                                      |
| Input voltage range                      | -20 ... +10 %                               |
| Nominal input current at $U_N$           | 37 mA                                       |
| Load circuit                             |                                             |
| Number of changeover/switchover contacts | 4                                           |
| Contact material (relay)                 | AgSnO <sub>2</sub> + Au                     |
| Limiting continuous current              | 5 A                                         |
| Inrush current (resistive) max.          | (AC) 15 A / 4 s                             |
| Switching Voltage, Max.                  | 250 VAC                                     |
| Switching power (resistive) max.         | AC 1250 VA; DC (see load limit curve)       |
| Utilization category                     | AC-15: 1 A / 240 VAC<br>DC-13: 2 A / 24 VDC |
| Recommended minimum load                 | 5 V / 1 mA / 50 mW                          |



| Load circuit                                |                                            |
|---------------------------------------------|--------------------------------------------|
| 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 <sup>3</sup> switching operations |
| Mechanical life                             | 20 x 10 <sup>6</sup> switching operations  |

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

| Safety and protection                                  |                                        |
|--------------------------------------------------------|----------------------------------------|
| Rated Voltage                                          | 300 V                                  |
| Rated impulse withstand voltage                        | 2.5 kV                                 |
| Overvoltage category                                   | II                                     |
| 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 (open contact)                         | Functional 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 mm <sup>2</sup> / 22 ... 16 AWG                                           |
| Fine-stranded conductor        | 0.34 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG                                           |
| Strip length                   | 9 ... 10 mm / 0.35 ... 0.39 inches                                                     |
| Note (conductor cross-section) | 2 x 0.34 ... 2 x 1.5 mm <sup>2</sup> / 1 x 2.5 mm <sup>2</sup> / 2 x 22 ... 2 x 16 AWG |

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

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

| Material data        |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Note (material data) | <a href="#">Information on material specifications can be found here</a> |
| Fire load            | 1.129 MJ                                                                 |
| Weight               | 96.5 g                                                                   |



| Environmental requirements                         |  |                                 |
|----------------------------------------------------|--|---------------------------------|
| Ambient temperature (operation at U <sub>N</sub> ) |  | -25 ... +70 °C                  |
| Ambient temperature (storage)                      |  | -40 ... +70 °C                  |
| Processing temperature                             |  | -25 ... +50 °C                  |
| Temperature range of connection cable              |  | ≥ (T <sub>ambient</sub> + 25 K) |
| 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>UL 508 (max. 50 °C)<br>DNV |

| Basic relay      |  |         |
|------------------|--|---------|
| WAGO Basic Relay |  | 858-152 |

| Commercial data       |  |                          |
|-----------------------|--|--------------------------|
| Product Group         |  | 6 (INTERFACE ELECTRONIC) |
| PU (SPU)              |  | 5 pcs                    |
| Packaging type        |  | Box                      |
| Country of origin     |  | DE                       |
| GTIN                  |  | 4055143567893            |
| Customs tariff number |  | 85364900990              |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39122334             |
| eCl@ss 10.0            |  | 27-37-16-01          |
| eCl@ss 9.0             |  | 27-37-16-01          |
| ETIM 9.0               |  | EC001437             |
| ETIM 10.0              |  | EC001437             |
| ECCN                   |  | NO US CLASSIFICATION |

| Environmental Product Compliance |  |                         |
|----------------------------------|--|-------------------------|
| RoHS Compliance Status           |  | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                  |                |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|------------------------------------------------------------------------------------|----------------|------------------|------------------------------------------------------------|----------|------------------|
|  |                |                  | Approval                                                   | Standard | Certificate Name |
| Approval                                                                           | Standard       | Certificate Name | EU-Declaration of Conformity                               | -        | -                |
| EAC                                                                                | TP TC 004/2011 | EAC CoC 03084    | WAGO GmbH & Co. KG                                         |          |                  |
| GZO Almaty Standart                                                                |                |                  | UK-Declaration of Conformity                               | -        | -                |
|                                                                                    |                |                  | WAGO GmbH & Co. KG                                         |          |                  |



Approvals for marine applications



| Approval                | Standard             | Certificate Name |
|-------------------------|----------------------|------------------|
| DNV<br>DNV Germany GmbH | DNV-CG-0339,Aug.2021 | TAA00001D1       |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 858-314 |

Documentation

| Bid Text         |
|------------------|
| 858-314          |
| 19.02.2019       |
| xml<br>5.11 KB   |
| ↓                |
| 858-314          |
| 20.02.2019       |
| docx<br>17.12 KB |
| ↓                |

| Instruction Leaflet                  |
|--------------------------------------|
| Stecksocket für Elemen-<br>tarrelais |
| V 2.0.0<br>25.01.2022                |
| pdf<br>2130.02 KB                    |
| ↓                                    |

CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 858-314 |

| CAE data                     |
|------------------------------|
| EPLAN Data Portal<br>858-314 |
| WSCAD Universe<br>858-314    |
| ZUKEN Portal 858-314         |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



**Item No.: 858-152**  
Basic relay; Nominal input voltage: 24 VDC; 4  
changeover contacts; Limiting continuous  
current: 5 A; with gold contacts; with manual  
operation; Module width: 22 mm; Module  
height: 35mm



1.1.2 Ferrule

1.1.2.1 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

1.1.3 Indicators

1.1.3.1 Status indication



**Item No.: 788-120**  
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC

1.1.4 Installation

1.1.4.1 Ejector



**Item No.: 858-110**  
Ejector; for basic relays 25 mm x 35 mm

1.1.5 Jumper

1.1.5.1 Jumper



**Item No.: 858-402**  
Jumper; 2-way; insulated; light blue

1.1.6 Marking

1.1.6.1 Double marker carrier



**Item No.: 209-128**  
Adaptor; gray

1.1.6.2 Group marker carrier



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



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

1.1.6.3 Marker



**Item No.: 209-183**  
Marker; white



**Item No.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



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



**Item No.: 793-566**  
WMB marking card; as card; MARKED; 1 ... 50 (2x); 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



**Item No.: 793-505**  
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-506**  
WMB marking card; as card; MARKED; 41 ... 50 (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

1.1.6.4 Marking device



**Item No.: 210-110**  
Fiber-tip pen

1.1.6.5 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.6.6 Protective marker cover



**Item No.: 209-184**  
Protection cover; transparent

1.1.7 Tool

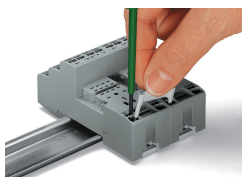
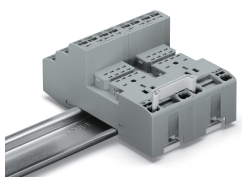
1.1.7.1 Operating tool



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

## Installation Notes

### Commoning



Removing a jumper via screwdriver.

### Marking



Marking using WMB Multi markers and group marker carriers.