

Data sheet | Item number: 858-514

Relay module; Nominal input voltage: 24 VAC; 4 changeover contacts;
Limiting continuous current: 5 A; with gold contacts; with manual operation;
Red status indicator; Module width: 31 mm



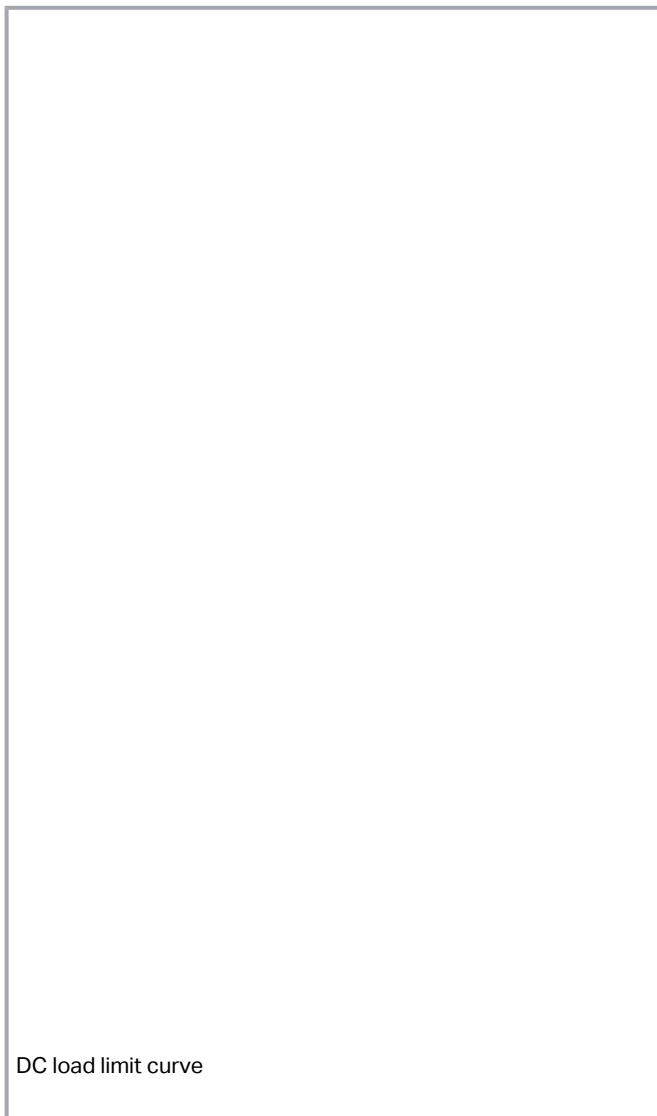
www.wago.com/858-514



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

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Data

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

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

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Control Circuit

| | |
|--------------------------------|---------------|
| Nominal input voltage U_N | AC 24 V |
| Input voltage range | -20 ... +10 % |
| Nominal input current at U_N | 50 mA |

Load circuit

| | |
|---|---|
| Number of changeover/switchover contacts | 4 |
| Contact material (relay) | AgCe + Au |
| 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 | 5 V / 1 mA / 50 mW |
| Pull-in time (typ.) | 25 ms |
| Drop-out time (typ.) | 35 ms |
| Bounce time (typ.) | 4 ms |
| Electrical life (NO; resistive load; 23 °C) | 100 x 10 ³ switching operations |
| Mechanical life | 20 x 10 ⁶ switching operations |

Signaling

| | |
|------------------|-----------------------|
| Status indicator | Red LED Mechanical |
|------------------|-----------------------|

Safety and protection

| | |
|--|-----------------------|
| Rated voltage | 300 V |
| Rated surge 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 |

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



| | |
|------------------------------------|--|
| 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 ² / 22 ... 16 AWG |
| Fine-stranded conductor | 0.34 ... 1.5 mm ² / 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 ² / 1 x 2.5 mm ² / 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

| | |
|-----------|----------|
| Fire load | 1.255 MJ |
| Weight | 95.5 g |

Environmental requirements

| | |
|---|---------------------------------|
| Ambient temperature (operation at U _N) | -25 ... +70 °C |
| Ambient temperature UL (operation at U _N) | -25 ... 50 °C |
| Ambient temperature (storage) | -40 ... +70 °C |
| Processing temperature | -25 ... +50 °C |
| Temperature range of connection cable | ≥ (T _{ambient} + 25 K) |
| Relative humidity | 5 ... 85 % |
| Operating altitude (max.) | 2000 m |

Standards and specifications

| | |
|--------------------------|------------------------------|
| Standards/specifications | EN 61010-2-201 EN 61810-1 |
|--------------------------|------------------------------|

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



EN 61373
UL 508 (max. 50 °C)

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0 | 27-37-16-01 |
| eCl@ss 9.0 | 27-37-16-01 |
| ETIM 8.0 | EC001437 |
| ETIM 7.0 | EC001437 |
| Recupel Type | |
| PU (SPU) | 5 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143568180 |
| Customs tariff number | 85364900990 |

Environmental Product Compliance

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

Approvals / Certificates**General approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------------------|
| | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011 | EAC RU C-DE.AM02.B.00122 /19 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Optional accessories**Indicators**

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

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Status indication

Item no.: 788-123

Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VAC

www.wago.com/788-123

Marking accessories

Marking strip

Item no.: 2009-110

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

Fiber-tip pen

www.wago.com/210-110

Double marker carrier

Item no.: 209-128

Adaptor; gray

www.wago.com/209-128

Protective marker cover

Item no.: 209-184

Protection cover; transparent

www.wago.com/209-184

Marker

Item no.: 2009-115

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**

Marker; white

www.wago.com/209-183**Item no.: 793-501**

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

www.wago.com/793-501**Item no.: 793-502**

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**

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**

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**

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**

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**

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**

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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

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

Filter Module

Suppressor module

Item no.: 788-148

Filter module; RC filter element; Nominal voltage: 230 VAC

www.wago.com/788-148

Jumpers

Jumper

Item no.: 858-402

Jumper; 2-way; insulated; light blue

www.wago.com/858-402

Basic Relay

Basic relay

Item no.: 858-153

Basic relay; Nominal input voltage: 230 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Module width: 22 mm; Module height: 25 mm

www.wago.com/858-153

Ferrule

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

www.wago.com/216-241

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

www.wago.com/216-242

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

www.wago.com/216-243

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

www.wago.com/216-244

Mounting

Socket without relay

Item no.: 858-110

Ejector; for basic relays 25 mm x 35 mm

www.wago.com/858-110

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

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Downloads

Documentation

Bid Text

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|-------------------------|--------------|-----------------|----------|
| 858-514 docx - Datei | 2019 年2月20 日 | docx 17.8 kB | Download |
|-------------------------|--------------|-----------------|----------|

| | | | |
|------------------------|--------------|---------------|----------|
| 858-514 X81 - Datei | 2019 年2月19 日 | xml 5.2 kB | Download |
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Instruction Leaflet

| | | | |
|---------------------------------|-------------------------|---------------|----------|
| Stecksocket für Elementarrelais | V 2.0.0 2022 年1月25 日 | pdf 2.2 MB | Download |
|---------------------------------|-------------------------|---------------|----------|

Additional Information

| | | | |
|---|-------------------------|---------------|----------|
| Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging | V 1.1.0 2022 年8月18 日 | pdf 2.2 MB | Download |
|---|-------------------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 858-514 | URL | Download |
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CAE data

| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 858-514 | URL | Download |
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| ZUKEN Portal 858-514 | URL | Download |
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| WSCAD Universe 858-514 | URL | Download |
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Environmental Product Compliance

Compliance Search

| | | |
|--|-----|----------|
| Environmental Product Compliance 858-514 Relay module; Nominal input voltage: 24 VAC; 4 changeover contacts; Limiting continuous current: 5 A; with gold contacts; with manual operation; Red status indicator; Module width: 31 mm | URL | Download |
|--|-----|----------|

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

Installation Notes

Commoning



Removing a jumper via screwdriver.

Marking



Marking using WMB Multi markers and group marker carriers.

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