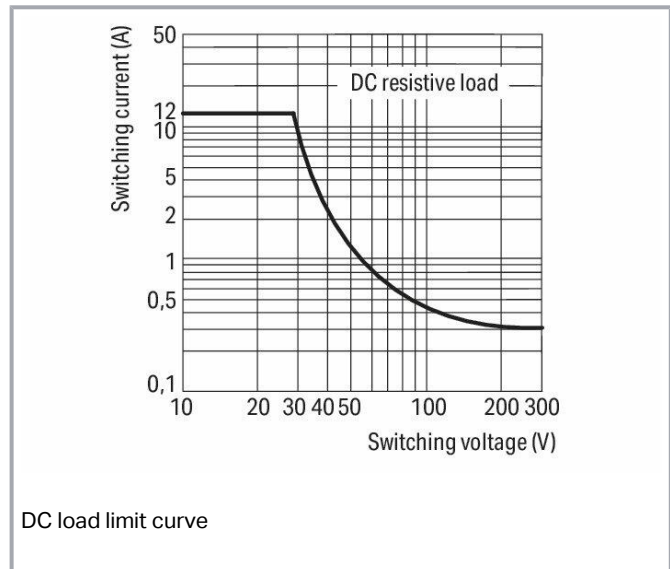
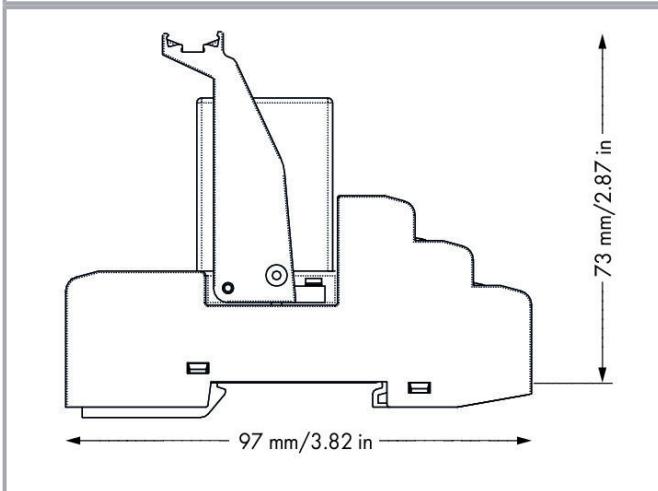
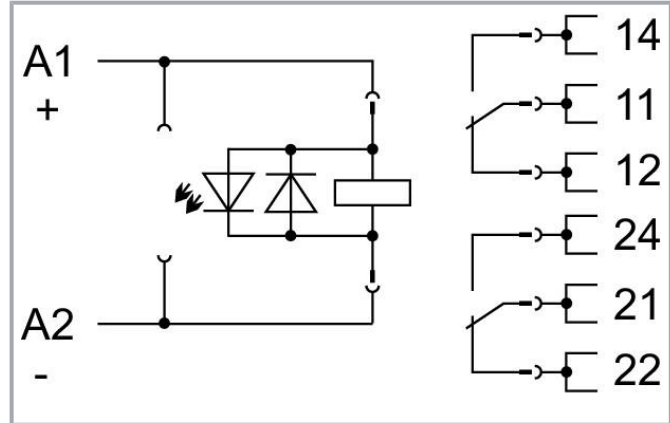
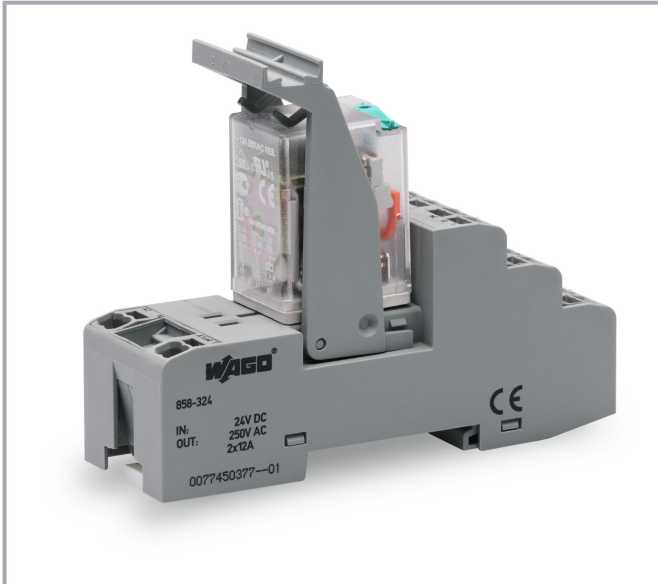


## Data sheet | Item number: 858-324

Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts;  
Limiting continuous current: 12 A; with manual operation; Red status  
indicator; Module width: 31 mm; 1,50 mm<sup>2</sup>



[www.wago.com/858-324](http://www.wago.com/858-324)



DC load limit curve

## Data

### Technical data

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

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

## Control circuit

Nominal input voltage $U_N$	DC 24 V
Input voltage range	-20 ... +10 %
Nominal input current at $U_N$	37.5 mA

## Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi
Limiting continuous current	12 A
Inrush current (resistive) (max.)	(AC) 24 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) (max.)	AC 3000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1.5 A / AC 240 V; DC-13: 0.1 A / DC 250 V
Recommended minimum load	10 V / 5 mA / 300 mW
Pull-in time (typ.)	13 ms
Drop-out time (typ.)	3 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
Switching frequency with/without load (max.)	20 min <sup>-1</sup> / 200 min <sup>-1</sup>

## Signaling

Status indicator	Red LED Mechanical
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## Safety and protection

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

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



Protection type	IP20
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### 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 inch
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 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

### Material data

Fire load	1.226 MJ
Weight	87.5 g

### Environmental requirements

Surrounding air temperature (operation at U <sub>N</sub> )	-40 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Processing temperature	-25 ... +50 °C
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m

### Standards and specifications

Standards/Specifications	EN 61010-2-201 EN 61810-1 UL 508
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Subject to changes. Please also observe the further product documentation!

## Basic relay


WAGO Basic Relay	858-181
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## Commercial data

Product Group	6 (Interface Electronics)
PU (SPU)	5 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143567732
Customs tariff number	85364900990

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.6

## Optional accessories

### Jumpers

Jumper



Item no.: 858-402  
Jumper

[www.wago.com/858-402](http://www.wago.com/858-402)

### 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](http://www.wago.com/2009-110)

Marking device



Item no.: 210-110  
Fiber-tip pen

[www.wago.com/210-110](http://www.wago.com/210-110)

Double marker carrier

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



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

[www.wago.com/209-128](http://www.wago.com/209-128)

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Protective marker cover



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

[www.wago.com/209-184](http://www.wago.com/209-184)

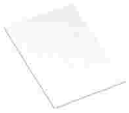
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Marker



**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](http://www.wago.com/2009-115)



**Item no.: 209-183**  
Marker card; white

[www.wago.com/209-183](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/793-566)



**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

[www.wago.com/793-5501](http://www.wago.com/793-5501)

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Group marker carrier



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

[www.wago.com/209-145](http://www.wago.com/209-145)

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



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

### Mounting

Socket without relay



**Item no.: 858-110**  
Mounting bracket

[www.wago.com/858-110](http://www.wago.com/858-110)

### Ferrule

Ferrule



**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

[www.wago.com/216-242](http://www.wago.com/216-242)



**Item no.: 216-243**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-243](http://www.wago.com/216-243)



**Item no.: 216-244**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

[www.wago.com/216-244](http://www.wago.com/216-244)

### Indicators

Operation status indicator

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

[www.wago.com/788-120](http://www.wago.com/788-120)

### 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](http://www.wago.com/210-719)

## Downloads

### Documentation

#### Bid Text

858-324	2019. 2. 20.	docx	Download
docx - Datei		17.9 kB	

858-324	2019. 2. 19.	xml	Download
X81 - Datei		5.0 kB	

### Instruction Leaflet

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



Stecksocket für Elementarrelais

pdf  
2.6 MB

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#### Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf  
265.8 kB

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#### CAD/CAE-Data

##### CAE data

EPLAN Data Portal 858-324

URL

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WSCAD Universe 858-324

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ZUKEN Portal 858-324

URL

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##### CAD data

2D/3D Models 858-324

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#### Environmental Product Compliance

##### Compliance Search

Environmental Product Compliance 858-324

URL

Download

Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 12 A; with manual operation; Red status indicator; Module width: 31 mm; 1,50 mm<sup>2</sup>

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#### Installation Notes

##### Commoning

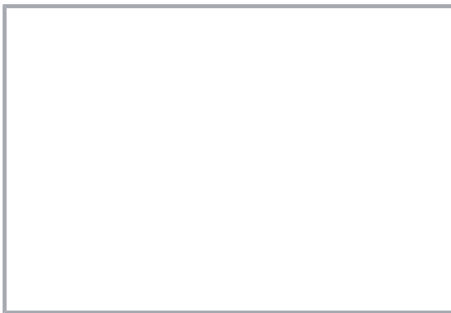
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Subject to changes. Please also observe the further product documentation!



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!