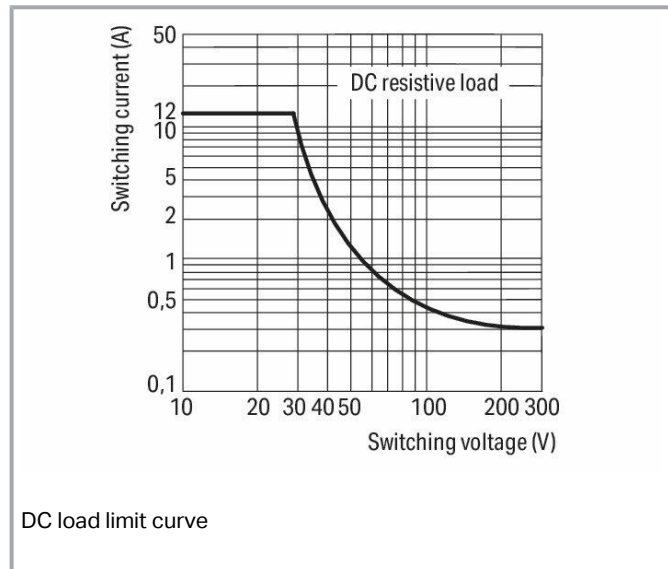
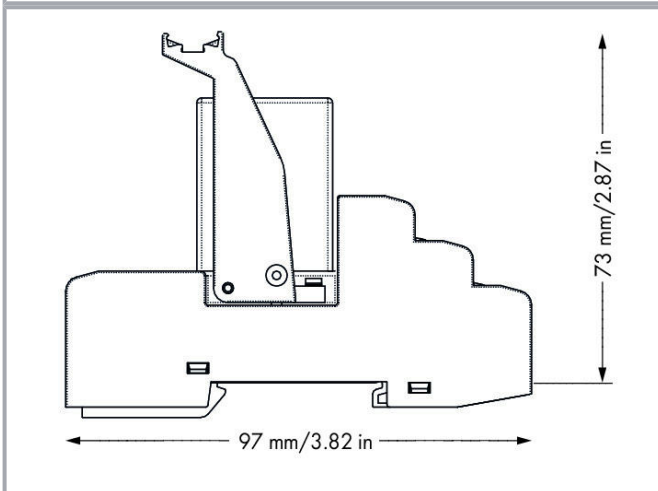
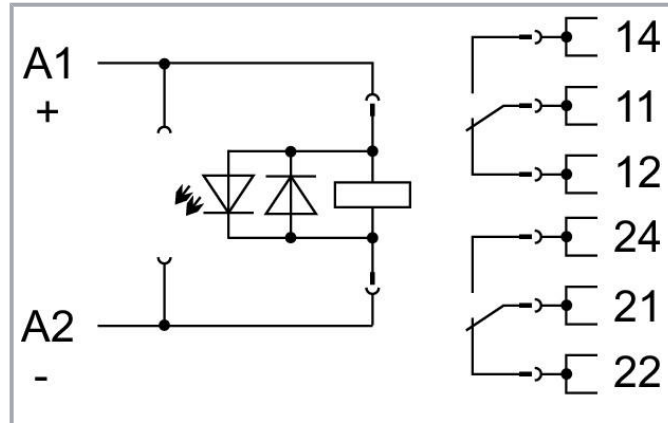
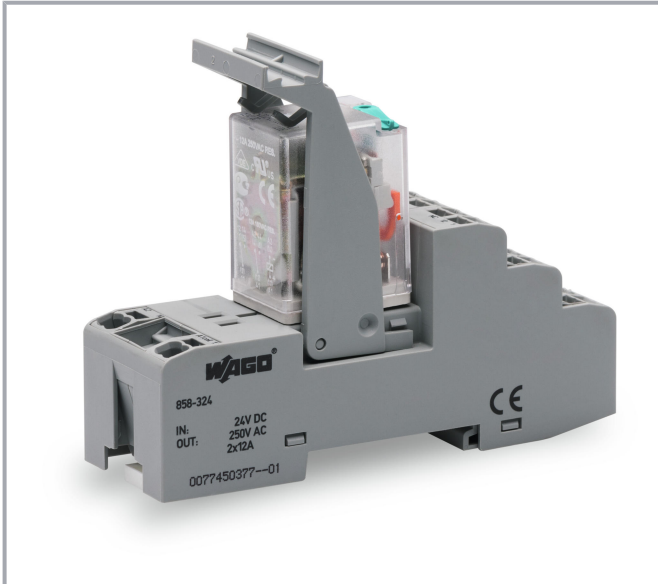


Data sheet | Item number: 858-324

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 mm²



www.wago.com/858-324



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 ³ switching operations
Mechanical life	20 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	20 min ⁻¹ / 200 min ⁻¹

Signaling

Status indicator	Red LED Mechanical
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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)	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 (open contact)	Functional insulation

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



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 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 inch
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 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_N)	-40 ... 55 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C
Temperature range of the connecting cable according to EN 61010-2-201	$\geq (T_{\text{surrounding air}} + 25 \text{ K})$
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m

Standards and specifications

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

UL 508

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

Country specific Approvals



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

UL-Approvals

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

Optional accessories









Ferrule

Ferrule		
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 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 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242

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

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	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / 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 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
Jumpers		
Jumper		
	Item no.: 858-402 Jumper	www.wago.com/858-402
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
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 card; 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;	www.wago.com/793-503

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

white

Item no.: 793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-504
white

Item no.: 793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-505
white

Item no.: 793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-506
white

Item no.: 793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-566
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; 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

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

Mounting

Socket without relay

Item no.: 858-110

Mounting bracket

www.wago.com/858-110

Downloads

Documentation

Bid Text

858-324	2019 Feb 20	docx	Download
docx - Datei		17.9 kB	
858-324	2019 Feb 19	xml	Download
X81 - Datei		5.0 kB	

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



Instruction Leaflet

Stecksockel für Elementarrelais	V 2.0.0 2022 Jan 25	pdf 2.2 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 858-324	URL	Download
WSCAD Universe 858-324	URL	Download
ZUKEN Portal 858-324	URL	Download

CAD data

2D/3D Models 858-324	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 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 ²	URL	Download
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Installation Notes

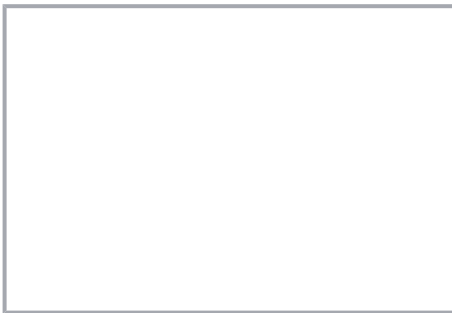
Commoning

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!