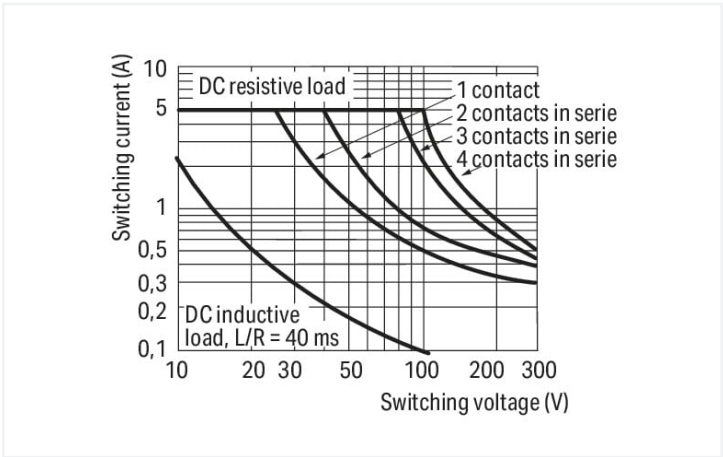
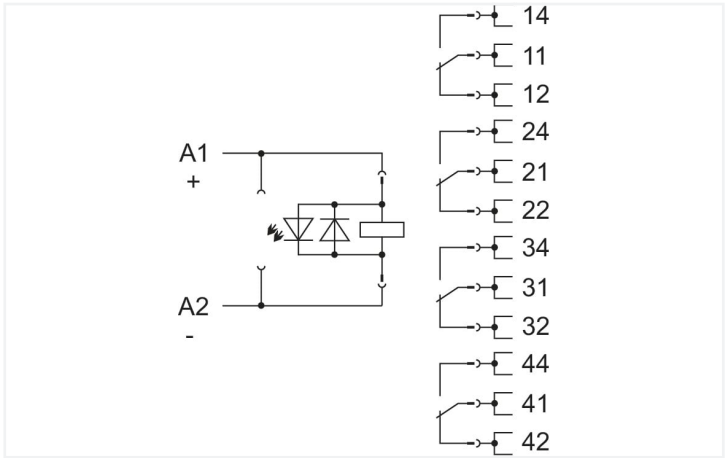
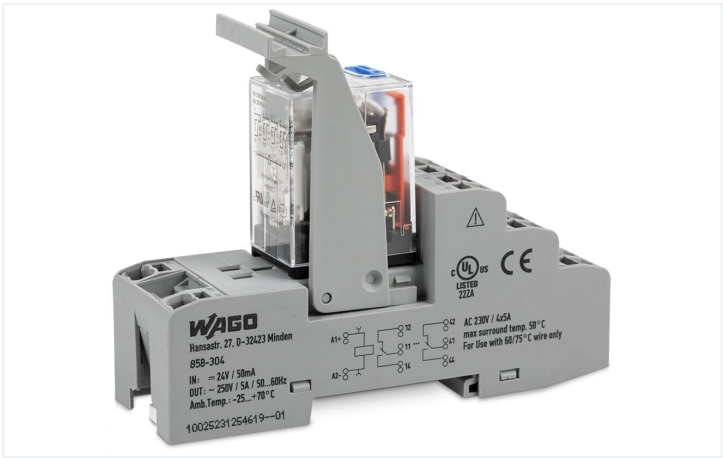


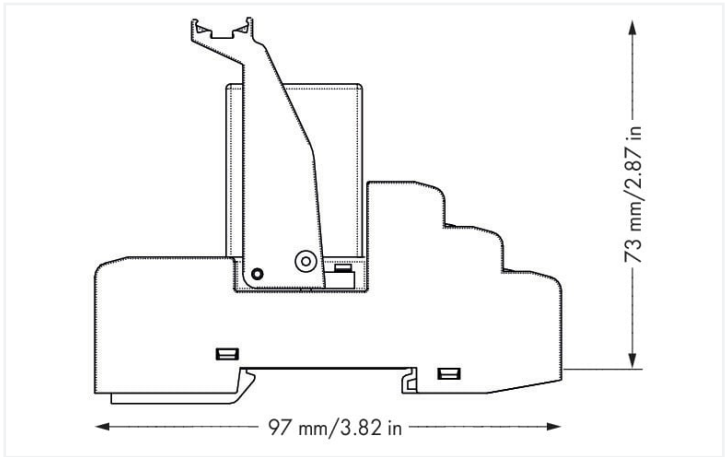
Data Sheet | Item Number: 858-304

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

<https://www.wago.com/858-304>



DC load limit curve



Dimensions in mm

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 24 V	Number of changeover/switchover contacts	4
Input voltage range	-20 ... +10 %	Contact material (relay)	AgCe
Nominal input current at U_N	37 mA	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
		Mechanical life	20 x 10 ⁶ switching operations

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)	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 mm² / 22 ... 16 AWG
Fine-stranded conductor	0.34 ... 1.5 mm² / 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 mm² / 1 x 2.5 mm² / 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	0.572 MJ
Weight	97 g

Environmental requirements

Ambient temperature (operation at U_N)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 25 \text{ K})$
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m



Standards and specifications	
Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 50 °C) DNV

Basic relay	
WAGO Basic Relay	858-150

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
PU (SPU)	5 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143567770
Customs tariff number	85364900990

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates	
General approvals	Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications	
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Approval	Standard	Certificate Name
DNV DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00001D1
PRS Polski Rejestr Statków	-	TE/2186/880590/18



Downloads

Environmental Product Compliance

Compliance Search

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



[Item No.: 858-150](#)
Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Module width: 22 mm; Module height: 25 mm

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 Socket without relay				
				
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.: 793-503 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

1.1.6.3 Marker



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

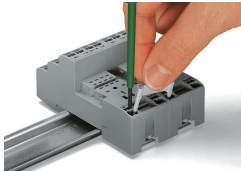
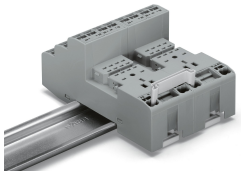
1.1.7.1 Operating tool



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.