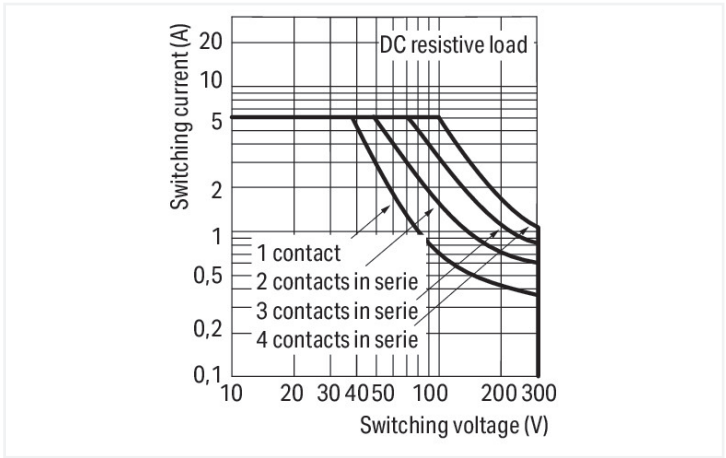
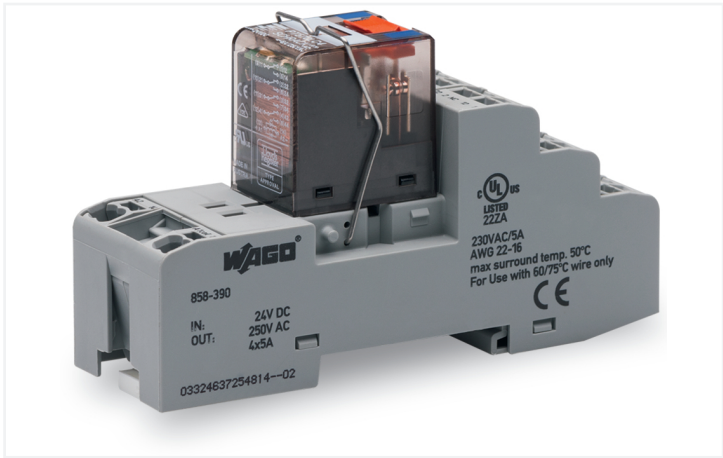


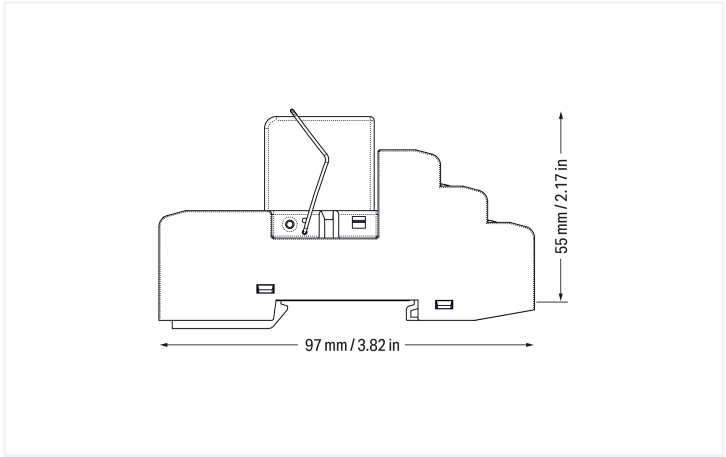
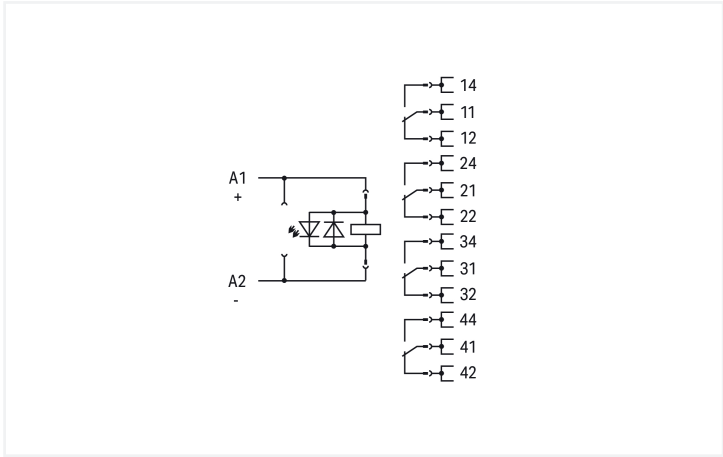
Data Sheet | Item Number: 858-390

Relay module; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 6 A; with manual operation; Red status indicator; Module width: 31 mm; 1,50 mm²

<https://www.wago.com/858-390>



DC load limit curve



Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	24 VDC	Number of changeover/switchover contacts	4
Input voltage range	-10 ... +30 %	Contact material (relay)	AgNi 90/10
Nominal input current at U_N	32 mA	Limiting continuous current	6 A
		Inrush current (resistive) max.	(AC) 12 A / 0.02 s
		Switching Voltage, Max.	250 VAC
		Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
		Recommended minimum load	12 V / 10 mA
		Pull-in time (typ.)	15 ms
		Drop-out time (typ.)	18 ms
		Bounce time (typ.)	8 ms
		Electrical life (NO; resistive load; 23 °C)	100 x 10³ switching operations
		Mechanical life	30 x 10⁶ switching operations
		Switching frequency with/without load (max.)	6 min⁻¹ / 60 min⁻¹

Signaling

Status indicator	Red LED Mechanical
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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)	2.5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1.2 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2 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	55 mm / 2.165 inches

Mechanical data

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

Material data

Note (material data)	Information on material specifications can be found here
Fire load	1.119 MJ
Weight	87.2 g

Environmental requirements

Ambient temperature (operation at U_N)	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °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

WAGO Basic Relay	858-159
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Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	5 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143567695
Customs tariff number	85364900990

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

RoHS Compliance Status	Compliant, No Exemption
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General approvals	Declarations of conformity and manufacturer's declarations
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Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03084

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 858-390

Download icon

Documentation

Bid Text

858-390	19.02.2019	xml 4.81 KB	Download icon
858-390	20.02.2019	docx 17.40 KB	Download icon

Instruction Leaflet

Stecksocket für Elementarrelais	V 2.0.0 25.01.2022	pdf 2130.02 KB	Download icon
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CAD/CAE-Data

CAD data

2D/3D Models 858-390

Download icon

CAE data

EPLAN Data Portal 858-390

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WSCAD Universe 858-390

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ZUKEN Portal 858-390

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay

1.1.1.1 Basic relay



Item No.: 858-159
Basic relay; Nominal input voltage: 24 VDC; 4 changeover contacts; Limiting continuous current: 6 A; with manual operation; Module width: 22 mm; Module height: 29 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 Jumper

1.1.4.1 Jumper



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

1.1.5 Marking

1.1.5.1 Double marker carrier



Item No.: 209-128
Adaptor; gray

1.1.5.2 Group marker carrier



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



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

1.1.5.3 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

1.1.5.4 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.5.5 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.5.6 Protective marker cover



Item No.: 209-184

Protection cover; transparent

1.1.6 Tool

1.1.6.1 Operating tool

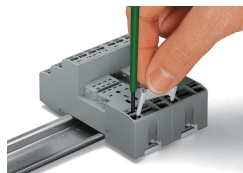
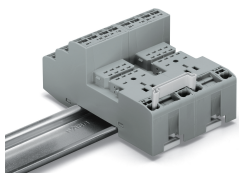


Item No.: 210-719

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.