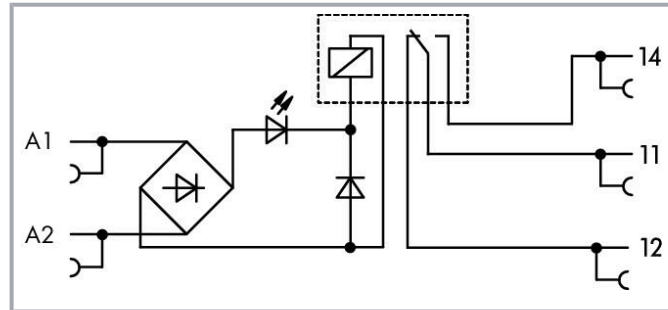
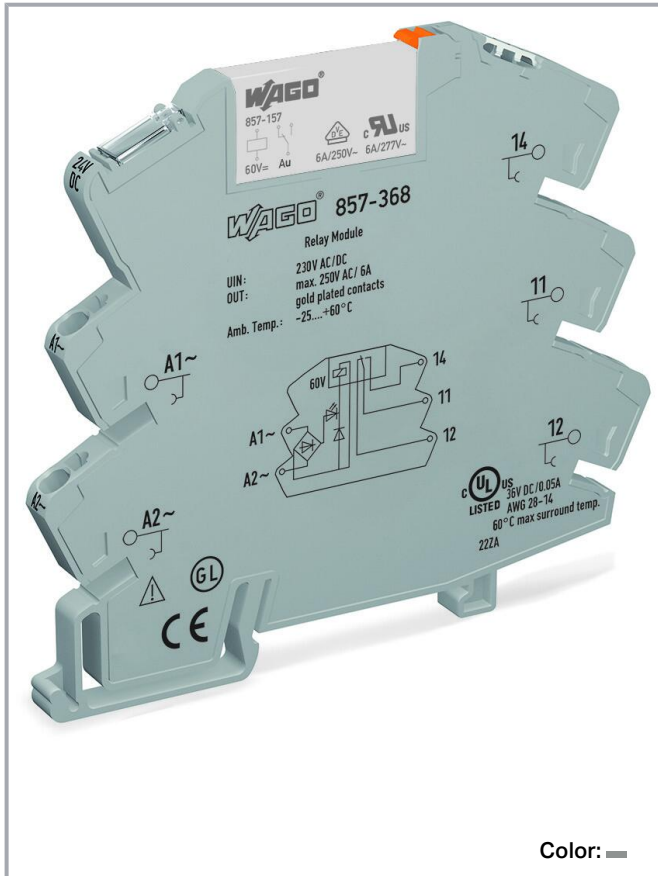


Data sheet | Item number: 857-368

Relay module; Nominal input voltage: 230 V AC/DC; 1 changeover contact;
Limiting continuous current: 6 A; with gold contacts; Yellow status indicator;
Module width: 6 mm; 2,50 mm²; gray

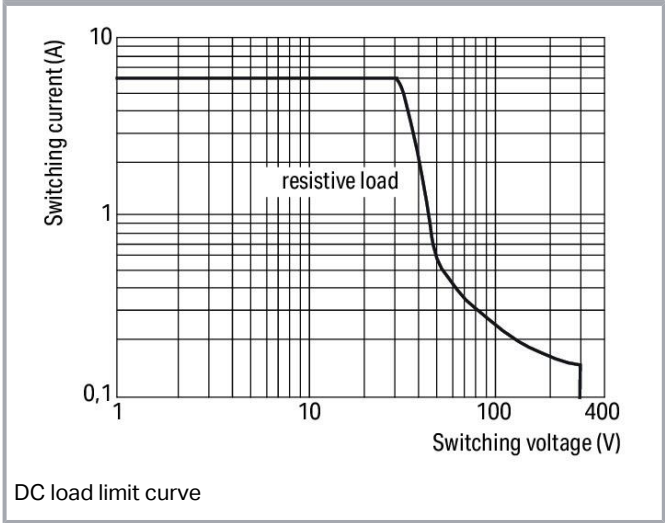
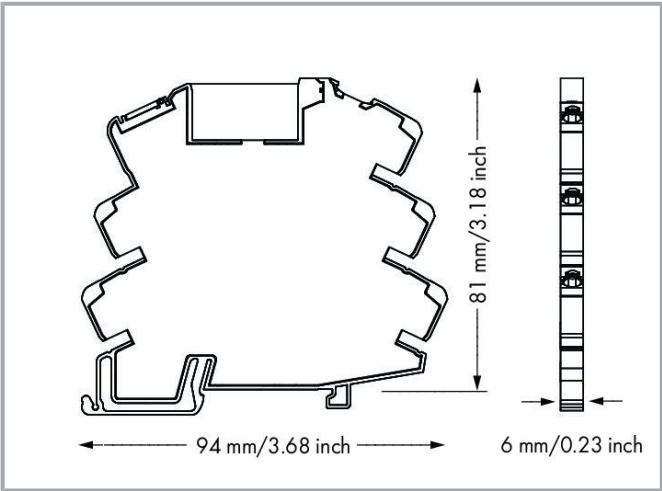
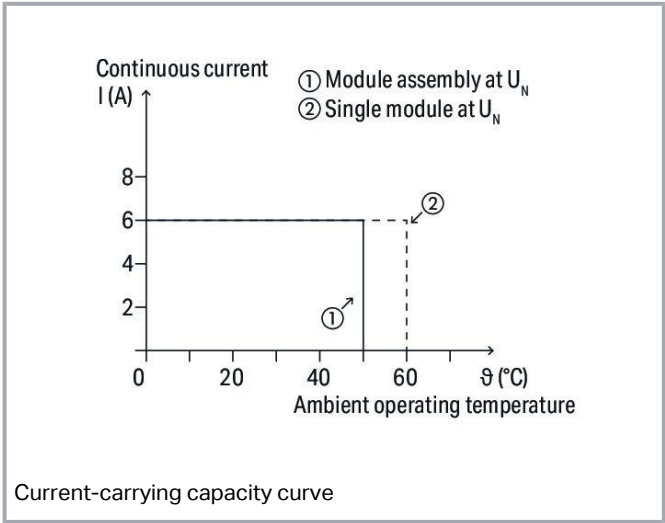
www.wago.com/857-368



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

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Data Notes

Safety information	Adjacent devices of the same type are devices of the same design (series) that are arranged next to one another on the DIN-rail with the same orientation. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.
Note	To prevent damaging the gold layer, 30 V 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. To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

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



Technical data

Control circuit

Nominal input voltage U_N	AC/DC 230 V
Input voltage range	-20 ... +10 %
Nominal input current at U_N	4 mA
Nominal frequency range (input voltage)	50 ... 60 HzAC / 0 HzDC

Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi + Au
Limiting continuous current	6 A
Inrush current (resistive) max.	(AC) 20 A / 0.02 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 1500 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V
Recommended minimum load	1 V / 1 mA / 1 mW
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	25 ms
Bounce time (typ.)	3.5 ms
Electrical life (NO; resistive load; 23 °C)	50 x 10 ³ switching operations
Mechanical life	5 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 180 min ⁻¹

Signaling

Status indicator	Yellow LED
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Safety and protection

Rated voltage	300 V
Rated surge voltage	4 kV
Type of circuits	Mains circuits
Overvoltage category	III
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	3.51 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms

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Insulation type (control/load circuit)	Reinforced insulation (safe isolation)
Insulation type (between adjacent devices of the same type)	Double insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Safety information	Adjacent devices of the same type are devices of the same design (series) that are arranged next to one another on the DIN-rail with the same orientation. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.
Protection type	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm² / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	6 mm / 0.236 inches
Height	94 mm / 3.701 inches
Depth from upper-edge of DIN-rail	81 mm / 3.189 inches

Mechanical data

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

Material data

Color	gray
Fire load	0.719 MJ
Weight	30.3 g

Environmental requirements

Ambient temperature (operation at U_N)	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 30 \text{ K})$

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Relative humidity	5 ... 85 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 ATEX IECEX DNV
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Basic relay

WAGO Basic Relay	857-157
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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	
ECCN	NO DATA
PU (SPU)	25 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4045454673482
Customs tariff number	85364900990

Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Bulgaria)	9d4d1dd9-ae5e-427e-8514-4177ee66f04f

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SCIP notification number (Czech Republic)

1474dc2a-58de-4f57-8c28-1ffcddcfdbb1

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC Ex 857 RU_C_DE. AZ_58_B_02148_21 nA nC (2Ex nA nC IIC T4 Gc X)
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

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	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	BV Bureau Veritas S.A.	Rules for class. of Steel Ships	40179_B0
	DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA00001D1
	PRS Polski Rejestr Statków	-	TE/2186 /880590/18

Approvals for hazardous areas

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Logo	Approval	Additional Approval Text	Certificate name
	ATEX DEKRA EXAM GmbH	EN 60079-0	BVS_14_ATEX_E_091_X (II 3G Ex ec nC IIC T4 Gc; II 3G Ex ec IIC T4 Gc)
	CCC CNEX	CNCA-C23-01	2020312304000757 (Ex ec nC IIC T4 Gc)
	IECEX DEKRA EXAM GmbH	IEC 60079-0	IECEX_BVS_14. 0079X_Issue_3 (Ex ec nC IIC T4 Gc; Ex ec IIC T4 Gc)
	UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX002X_ec nC
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Optional accessories

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		

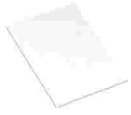
Subject to changes. Please also observe the further product documentation!

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**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**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.: 249-105**

Group marker carrier; gray

www.wago.com/249-105**Basic Relay**

Basic relay

**Item no.: 857-157**Basic relay; Nominal input voltage: 60 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Module width: 5 mm; Module height: 15 mm www.wago.com/857-157**Tool**

Operating tool

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

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**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720**Jumpers**

Jumper

**Item no.: 859-408**

Jumper; for jumper slot; 8-way; insulated; light gray

www.wago.com/859-408**Item no.: 281-482**

Jumper; 2-way; insulated; gray

www.wago.com/281-482**Item no.: 859-404/000-005**

Jumper; for jumper slot; 4-way; insulated; red

www.wago.com/859-404/000-005**Item no.: 859-404/000-006**

Jumper; for jumper slot; 4-way; insulated; blue

www.wago.com/859-404/000-006**Item no.: 859-405/000-005**

Jumper; for jumper slot; 5-way; insulated; red

www.wago.com/859-405/000-005**Item no.: 859-405/000-029**

Jumper; for jumper slot; 5-way; insulated; yellow

www.wago.com/859-405/000-029**Item no.: 859-405**

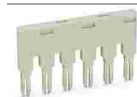
Jumper; for jumper slot; 5-way; insulated; light gray

www.wago.com/859-405**Item no.: 859-404/000-029**

Jumper; for jumper slot; 4-way; insulated; yellow

www.wago.com/859-404/000-029**Item no.: 859-405/000-006**

Jumper; for jumper slot; 5-way; insulated; blue

www.wago.com/859-405/000-006**Item no.: 859-406/000-005**

Jumper; for jumper slot; 6-way; insulated; red

www.wago.com/859-406/000-005**Item no.: 859-409/000-029**

Jumper; for jumper slot; 9-way; insulated; yellow

www.wago.com/859-409/000-029

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

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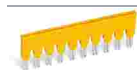
Email: info.de@wago.com | Web: www.wago.com

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**Item no.: 859-410/000-005**

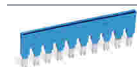
Jumper; for jumper slot; 10-way; insulated; red

www.wago.com/859-410/000-005**Item no.: 859-410/000-029**

Jumper; for jumper slot; 10-way; insulated; yellow

www.wago.com/859-410/000-029**Item no.: 859-410**

Jumper; for jumper slot; 10-way; insulated; light gray

www.wago.com/859-410**Item no.: 859-410/000-006**

Jumper; for jumper slot; 10-way; insulated; blue

www.wago.com/859-410/000-006**Item no.: 859-403/000-005**

Jumper; for jumper slot; 3-way; insulated; red

www.wago.com/859-403/000-005**Item no.: 859-402/000-029**

Jumper; for jumper slot; 2-way; insulated; yellow

www.wago.com/859-402/000-029**Item no.: 859-403/000-029**

Jumper; for jumper slot; 3-way; insulated; yellow

www.wago.com/859-403/000-029**Item no.: 859-403/000-006**

Jumper; for jumper slot; 3-way; insulated; blue

www.wago.com/859-403/000-006**Item no.: 859-408/000-005**

Jumper; for jumper slot; 8-way; insulated; red

www.wago.com/859-408/000-005**Item no.: 859-408/000-029**

Jumper; for jumper slot; 8-way; insulated; yellow

www.wago.com/859-408/000-029**Item no.: 859-409**

Jumper; for jumper slot; 9-way; insulated; light gray

www.wago.com/859-409**Item no.: 859-408/000-006**

Jumper; for jumper slot; 8-way; insulated; blue

www.wago.com/859-408/000-006**Item no.: 859-403**

Jumper; for jumper slot; 3-way; insulated; light gray

www.wago.com/859-403**Item no.: 859-409/000-005**

Jumper; for jumper slot; 9-way; insulated; red

www.wago.com/859-409/000-005**Item no.: 859-404**

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Jumper; for jumper slot; 4-way; insulated; light gray

www.wago.com/859-404**Item no.: 859-409/000-006**

Jumper; for jumper slot; 9-way; insulated; blue

www.wago.com/859-409/000-006**Item no.: 859-402/000-006**

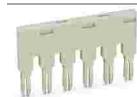
Jumper; for jumper slot; 2-way; insulated; blue

www.wago.com/859-402/000-006**Item no.: 859-402**

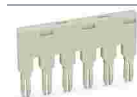
Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402**Item no.: 859-402/000-005**

Jumper; for jumper slot; 2-way; insulated; red

www.wago.com/859-402/000-005**Item no.: 859-406/000-006**

Jumper; for jumper slot; 6-way; insulated; blue

www.wago.com/859-406/000-006**Item no.: 859-406/000-029**

Jumper; for jumper slot; 6-way; insulated; signal yellow

www.wago.com/859-406/000-029**Item no.: 859-407/000-006**

Jumper; for jumper slot; 7-way; insulated; blue

www.wago.com/859-407/000-006**Item no.: 859-407/000-005**

Jumper; for jumper slot; 7-way; insulated; red

www.wago.com/859-407/000-005**Item no.: 859-407/000-029**

Jumper; for jumper slot; 7-way; insulated; yellow

www.wago.com/859-407/000-029**Item no.: 859-407**

Jumper; for jumper slot; 7-way; insulated; light gray

www.wago.com/859-407**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; whitewww.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; graywww.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; redwww.wago.com/216-243

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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; blackwww.wago.com/216-244**Downloads****Documentation****Bid Text**

857-368 docx - Datei	2019 Feb 20	docx 17.3 kB	Download
857-368 X81 - Datei	2019 Feb 19	xml 5.2 kB	Download

Instruction Leaflet

CCC Ex (Additional information) 857-***	2023 Apr 26	pdf 133.0 kB	Download
Elektromechanical and Solid-State Relays/Optocouplers	V 2.0.0 2022 Feb 15	pdf 2.4 MB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data**CAD data**

2D/3D Models 857-368	URL	Download
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CAE data

EPLAN Data Portal 857-368	URL	Download
WSCAD Universe 857-368	URL	Download
ZUKEN Portal 857-368	URL	Download

Asset Administration Shell

Asset Administration Shell 857-368	URL	Download
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Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-368

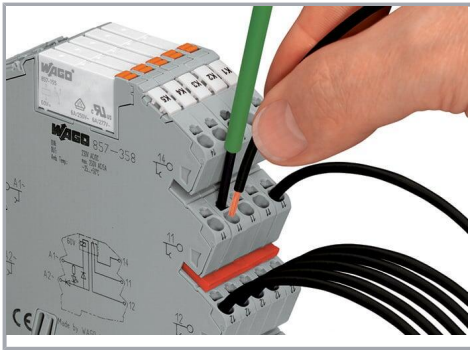
URL

Download

Relay module; Nominal input voltage: 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Yellow status indicator; Module width: 6 mm; 2,50 mm²; gray

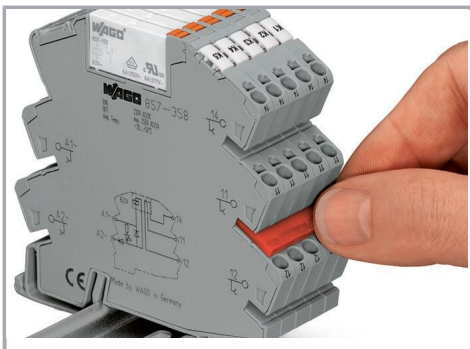
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking

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Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.

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