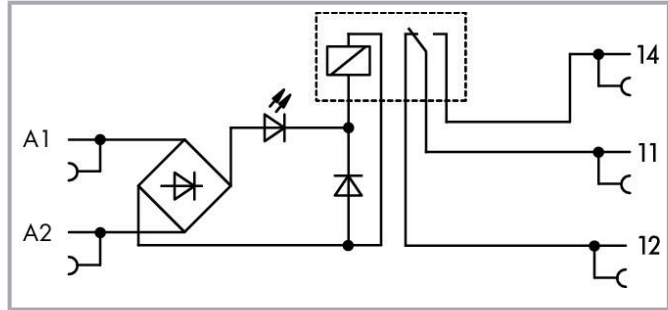
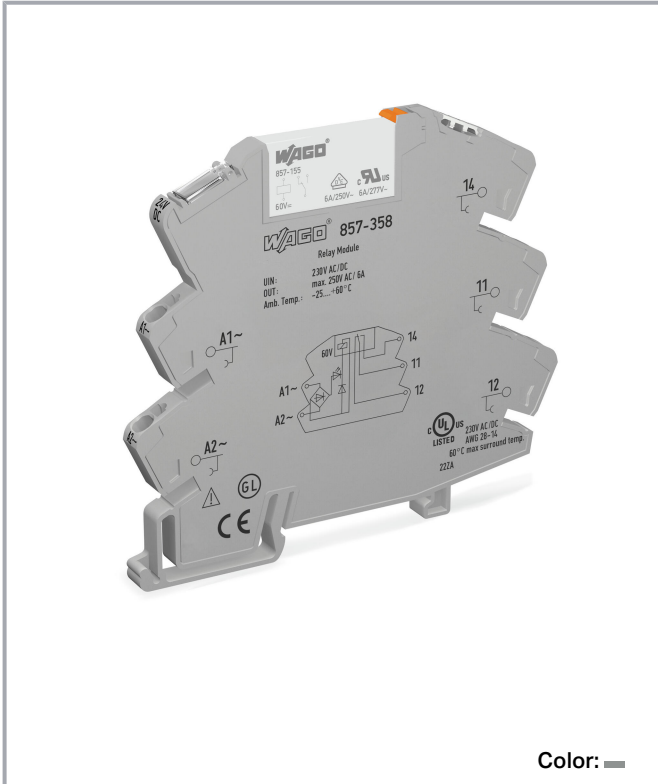


Data sheet | Item number: 857-358

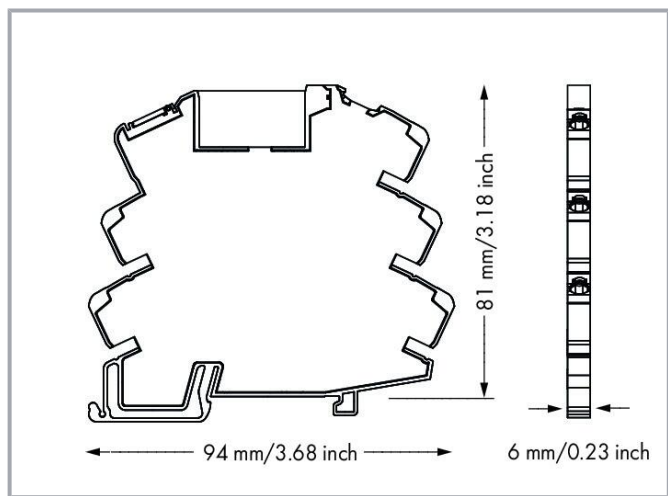
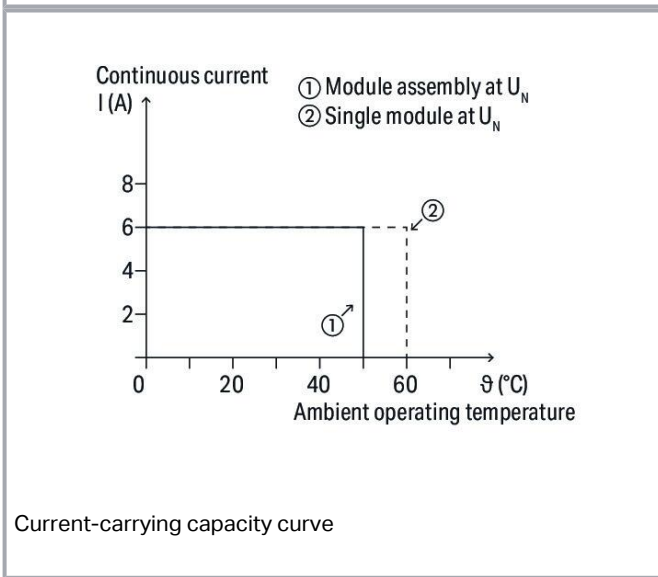
Relay module; Nominal input voltage: 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm; 2,50 mm²; gray



www.wago.com/857-358



Color: —

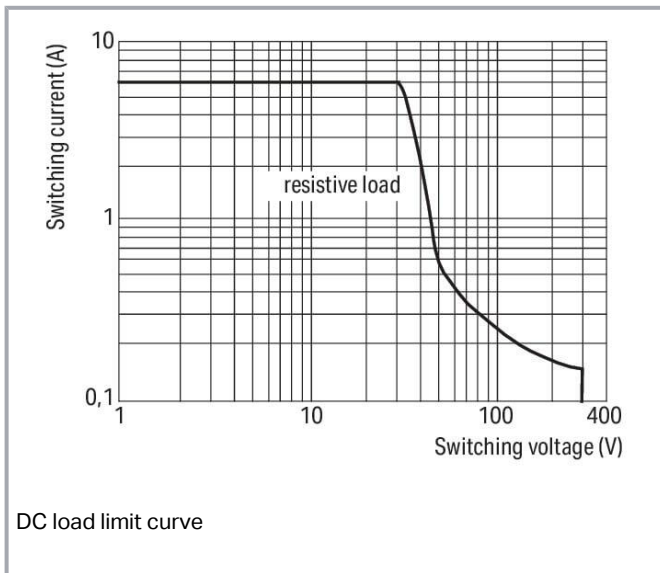


Current-carrying capacity curve

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

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Data

Notes

Safety information

Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.

Note

To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

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



Contact material (relay)	AgSnO ₂
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	10 V / 10 mA; 24 V / 1 mA
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
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 are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. 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®
-----------------------	---------------------

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



Solid conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.34 ... 1.5 mm ² / 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
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.648 MJ
Weight	32 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	≥ (T _{ambient} + 30 K)
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 IEC Ex DNV
--------------------------	---

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Basic relay

WAGO Basic Relay	857-155
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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
PU (SPU)	25 (1) pcs
Packaging type	box
Country of origin	CN
GTIN	4045454471576
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	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	f818d2f9-e068-4960-84e7-051e0bc6770a
SCIP notification number (Belgium)	bfbc772b-b4b8-45f5-9d58-8f4ae3f16f3a
SCIP notification number (Bulgaria)	5ba8d05c-eb61-45b3-9c92-3968d6dfc9e9
SCIP notification number (Czech Republic)	c7d5a1dd-d979-41b8-a037-6f5ec8c511d1
SCIP notification number (Denmark)	b86b3760-7c7c-496f-a91d-2f023fa7a59d
SCIP notification number (Finland)	bc4cda41-2ca1-4ab7-a0bb-8bc24dd0bd1e
SCIP notification number (France)	3aa32fc7-30e1-4f51-8dbd-d0e5b3186ba0
SCIP notification number (Germany)	2b324c73-0a67-496a-9f31-4c22143dfc05
SCIP notification number (Hungary)	bf421f8d-7984-4114-89f9-2ff6a07a020a
SCIP notification number (Italy)	fdd16442-0599-4aba-b9dc-a005abee02b5
SCIP notification number (Netherlands)	fa727e75-07da-4fd6-8fec-5f0f3bcf90d9
SCIP notification number (Poland)	33a73284-a6c6-4271-ad16-753ce839b287

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

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SCIP notification number (Romania)



e574fe86-0b41-4888-b3ea-6e8428ea33df

SCIP notification number (Sweden)



18b1e73a-d9eb-4bc8-9c02-7ae8fc0831ce

Approvals / Certificates




General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCC CNEX	CNCA-C23-01	2020312304000757 (Ex ec nC IIC T4 Gc)
	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)

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

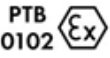




Logo	Approval	Additional Approval Text	Certificate name
	BV Bureau Veritas S.A.	Rules for class. of Steel Ships	40179_B0
	DNV DNV Germany GmbH	DNV-CG-0339,Aug.2021	TAA00001D1
	PRS Polski Rejestr Statków	-	TE/2186 /880590/18

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






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Approvals for hazardous areas

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

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
	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.: 859-408 Jumper; for jumper slot; 8-way; insulated; light gray	www.wago.com/859-408

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

	<p>Item no.: 281-482 Jumper; 2-way; insulated; gray</p>	www.wago.com/281-482
	<p>Item no.: 859-404/000-005 Jumper; for jumper slot; 4-way; insulated; red</p>	www.wago.com/859-404/000-005
	<p>Item no.: 859-404/000-006 Jumper; for jumper slot; 4-way; insulated; blue</p>	www.wago.com/859-404/000-006
	<p>Item no.: 859-405/000-005 Jumper; for jumper slot; 5-way; insulated; red</p>	www.wago.com/859-405/000-005
	<p>Item no.: 859-405/000-029 Jumper; for jumper slot; 5-way; insulated; yellow</p>	www.wago.com/859-405/000-029
	<p>Item no.: 859-405 Jumper; for jumper slot; 5-way; insulated; light gray</p>	www.wago.com/859-405
	<p>Item no.: 859-404/000-029 Jumper; for jumper slot; 4-way; insulated; yellow</p>	www.wago.com/859-404/000-029
	<p>Item no.: 859-406 Jumper; for jumper slot; 6-way; insulated; light gray</p>	www.wago.com/859-406
	<p>Item no.: 859-405/000-006 Jumper; for jumper slot; 5-way; insulated; blue</p>	www.wago.com/859-405/000-006
	<p>Item no.: 859-406/000-005 Jumper; for jumper slot; 6-way; insulated; red</p>	www.wago.com/859-406/000-005
	<p>Item no.: 859-409/000-029 Jumper; for jumper slot; 9-way; insulated; yellow</p>	www.wago.com/859-409/000-029
	<p>Item no.: 859-410/000-005 Jumper; for jumper slot; 10-way; insulated; red</p>	www.wago.com/859-410/000-005
	<p>Item no.: 859-410/000-029 Jumper; for jumper slot; 10-way; insulated; yellow</p>	www.wago.com/859-410/000-029

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



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
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

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

	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

Tool

Operating tool



Item no.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured www.wago.com/210-720

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













Double marker carrier



Item no.: 209-128
Adaptor; gray www.wago.com/209-128

Marking devices

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

	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
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; 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		

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



Item no.: 857-155

Basic relay; Nominal input voltage: 60 VDC; 1 changeover contact; Limiting continuous current: 6 A;

Module width: 5 mm; Module height: 15 mm

www.wago.com/857-155

Downloads

Documentation

Bid Text

857-358 docx - Datei	2019 Feb 20	docx 17.0 kB	Download
857-358 X81 - Datei	2019 Feb 19	xml 4.8 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 2.6 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 857-358	URL	Download
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CAE data

EPLAN Data Portal 857-358	URL	Download
WSCAD Universe 857-358	URL	Download
ZUKEN Portal 857-358	URL	Download

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

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-358

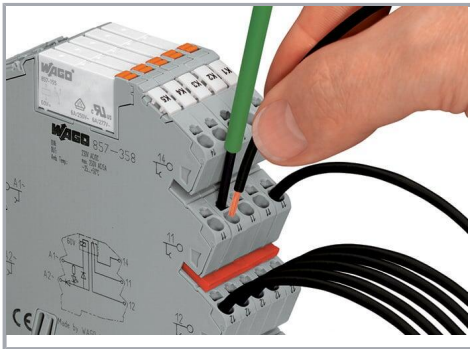
URL

Download

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

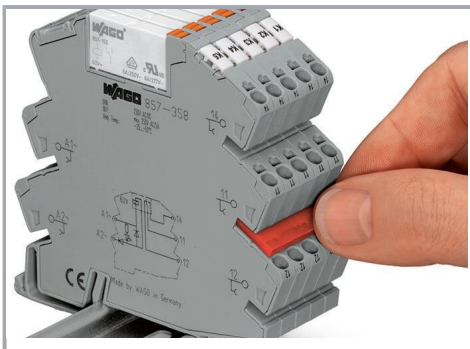
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking

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



Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.

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