

Data sheet | Item number: 857-727

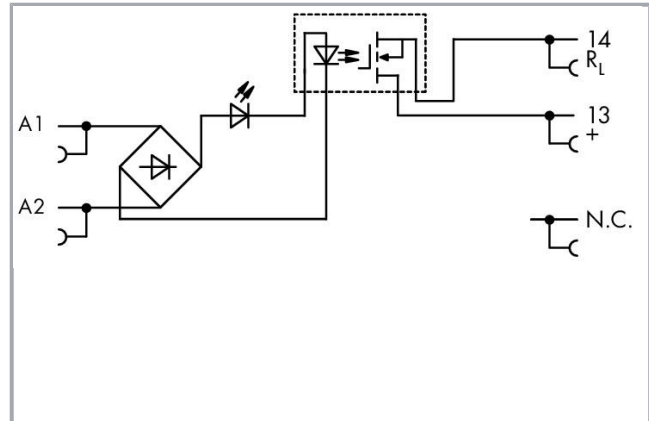
Solid-state relay module; Nominal input voltage: 115 V AC/DC; gray



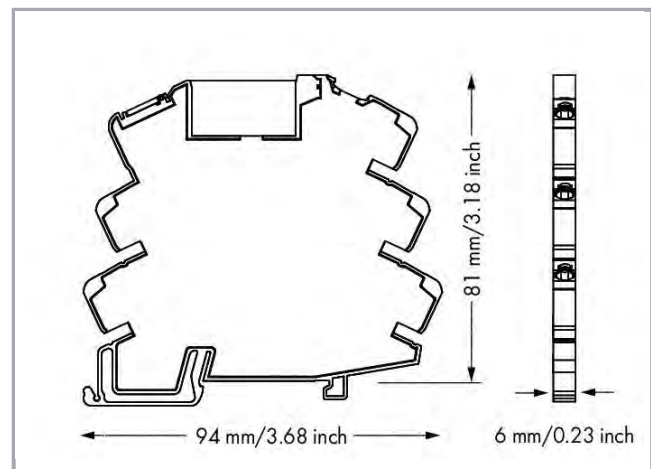
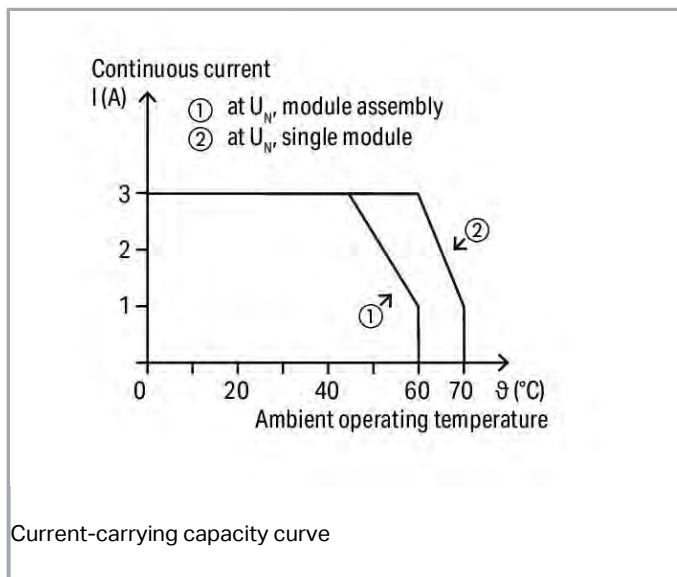
RoHS
Compliant

BOMcheck.net

Color: ■



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



Item description

Note:

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

Data

Technical Data

Control circuit

Nominal input voltage U_N	AC/DC 115 V
Input voltage range (low level)	AC/DC 0 ... 25 V
Input voltage range (high level)	AC/DC 90 ... 138 V
Nominal input current at U_N	3,9 mA

Load circuit:

Circuit type	2-wire connection
Limiting continuous current	3 A
Inrush current (resistive) (max.)	(AC) 15 A / 0,01 s
Nominal output voltage	DC 24 V
Output voltage range	DC 0 ... 30 V

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



Voltage drop at output (max.)	≤ DC 0,12 V
Leakage current at rated voltage	≤ 1 µA
Switching current (min.)	50 µA
Turn-on time	≤ 4,5 ms
Turn-off time	≤ 10 ms
Switching frequency	≤ 20 Hz

Signaling

Status indicator	Yellow LED
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Safety and protection:

Dielectric strength, control/load circuit (AC, 1 min)	3,75 kVrms
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
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

Geometrical Data

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

Mechanical data

Mounting type	DIN-35 rail
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Material Data

Color	gray
Fire load	0.011 MJ
Weight	30.1 g

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

Environmental Requirements

Surrounding air temperature (operation at U_N)	-20 ... 70 °C
Surrounding air temperature (storage)	-40 ... 70 °C
Processing temperature	-25 ... +50 °C

Standards and specifications

Standards/specifications	EN 61000-6-2; EN 61000-6-3; EN 61373; EN 61010-2-201; UL 508
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Elementary relay

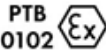
WAGO Basic Relay	857-162
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Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4045454835569
Customs tariff number	85365005000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX DEKRA EXAM GmbH	EN 60079-0	BVS_14_ATEX_E_091_X
	IECEx DEKRA EXAM GmbH	IEC 60079-0	IECEx_BVS_14.0079_X

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

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

Counterpart

Compatible products

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

General accessories


Item no.: 209-184

Protection cover; transparent


Item no.: 857-162

Basic solid-state relay; Nominal input voltage: 60 VDC; Output voltage range: 0 ... 24 VDC; Limiting continuous current: 3 A

Marking accessories


Item no.: 2009-110

Marking strips; on reel; 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


Item no.: 2009-115/000-002

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow


Item no.: 2009-115/000-006

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue


Item no.: 2009-115/000-007

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

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

	Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green
	Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet
	Item no.: 209-128 Adaptor; gray
	Item no.: 209-183 Marker card; white
	Item no.: 210-110 Fiber-tip pen
	Item no.: 249-105 Group marker carrier; gray
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange

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


Item no.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green


Item no.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green


Item no.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet


Item no.: 793-502

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white


Item no.: 793-502/000-002

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; yellow


Item no.: 793-502/000-005

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; red


Item no.: 793-502/000-006

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; blue


Item no.: 793-502/000-007

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; gray


Item no.: 793-502/000-012

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; orange


Item no.: 793-502/000-017

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; light green


Item no.: 793-502/000-023

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; green


Item no.: 793-502/000-024

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; violet


Item no.: 793-503

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

Item no.: 793-503/000-002

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type;

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



yellow



Item no.: 793-503/000-005

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; red



Item no.: 793-503/000-006

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; blue



Item no.: 793-503/000-007

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; gray



Item no.: 793-503/000-012

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; orange



Item no.: 793-503/000-017

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; light green



Item no.: 793-503/000-023

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; green



Item no.: 793-503/000-024

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; violet



Item no.: 793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



Item no.: 793-504/000-002

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; yellow



Item no.: 793-504/000-005

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; red



Item no.: 793-504/000-006

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; blue



Item no.: 793-504/000-012

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; orange

Item no.: 793-504/000-017

Subject to changes.



WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; light green



Item no.: 793-504/000-023

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; green



Item no.: 793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



Item no.: 793-505/000-005

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; red



Item no.: 793-505/000-006

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; blue



Item no.: 793-505/000-007

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; gray



Item no.: 793-505/000-012

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; orange



Item no.: 793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



Item no.: 793-506/000-005

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; red



Item no.: 793-506/000-006

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; blue



Item no.: 793-506/000-012

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; orange



Item no.: 793-506/000-017

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; light green



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.: 793-5501/000-002

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

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


Item no.: 793-5501/000-005

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red


Item no.: 793-5501/000-006

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue


Item no.: 793-5501/000-007

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray


Item no.: 793-5501/000-012

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange


Item no.: 793-5501/000-014

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown


Item no.: 793-5501/000-017

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green


Item no.: 793-5501/000-023

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green


Item no.: 793-5501/000-024

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet


Item no.: 793-566

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white


Item no.: 793-566/000-002

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; yellow


Item no.: 793-566/000-005

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; red


Item no.: 793-566/000-006

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; blue


Item no.: 793-566/000-007

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; gray

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


Item no.: 793-566/000-012

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; orange


Item no.: 793-566/000-017

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; light green


Item no.: 793-566/000-023

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; green


Item no.: 793-566/000-024

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; violet

Jumper

Item no.: 281-482

Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray


Item no.: 859-402

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; light gray


Item no.: 859-402/000-005

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; red


Item no.: 859-402/000-006

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; blue


Item no.: 859-402/000-029

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; yellow


Item no.: 859-403

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; light gray


Item no.: 859-403/000-005

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; red


Item no.: 859-403/000-006

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; blue


Item no.: 859-403/000-029

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; yellow


Item no.: 859-404

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; light gray

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



Item no.: 859-404/000-005

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; red



Item no.: 859-404/000-006

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; blue



Item no.: 859-404/000-029

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; yellow



Item no.: 859-405

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; light gray



Item no.: 859-405/000-005

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; red



Item no.: 859-405/000-006

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; blue



Item no.: 859-405/000-029

Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; yellow



Item no.: 859-406

Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; light gray



Item no.: 859-406/000-005

Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; red



Item no.: 859-406/000-006

Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; blue



Item no.: 859-406/000-029

Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; yellow



Item no.: 859-407

Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; light gray



Item no.: 859-407/000-005

Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; red



Item no.: 859-407/000-006

Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; blue

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



Item no.: 859-407/000-029

Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; yellow



Item no.: 859-408

Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; light gray



Item no.: 859-408/000-005

Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; red



Item no.: 859-408/000-006

Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; blue



Item no.: 859-408/000-029

Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; yellow



Item no.: 859-409

Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; light gray



Item no.: 859-409/000-005

Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; red



Item no.: 859-409/000-006

Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; blue



Item no.: 859-409/000-029

Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; yellow



Item no.: 859-410

Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; light gray



Item no.: 859-410/000-005

Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; red



Item no.: 859-410/000-006

Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; blue



Item no.: 859-410/000-029

Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; yellow

tools



Item no.: 210-720

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

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



Downloads

Documentation

Instruction Leaflet

Stecksockel mit Optokoppler Eingangsnennspannung
AC/DC 115 V, Schaltstrom 2 A

Elektromechanical and Solid-State Relays/Optocouplers	V 1.4.0 Oct 15, 2019
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0
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Step Datei Serie 857-07xx	1.0 Jun 20, 2011
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CAD/CAE-Data

CAD data

2D/3D Models 857-727

CAE data

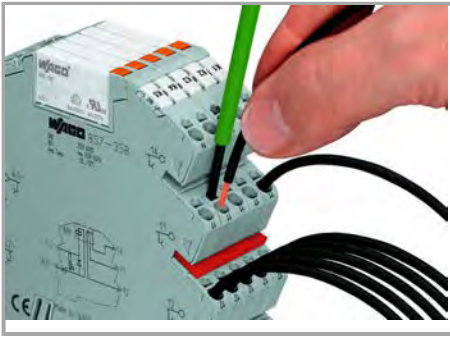
EPLAN Data Portal 857-727

WSCAD Universe 857-727

Installation Notes

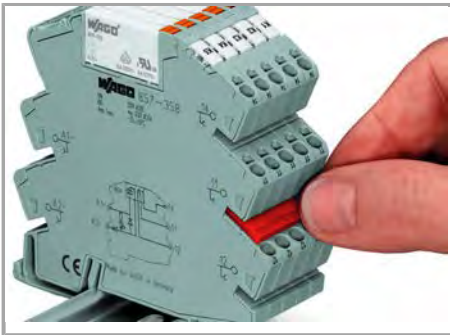
Conductor termination

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



Connection of conductor

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers

Installation

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



Operation of the relay ejector

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