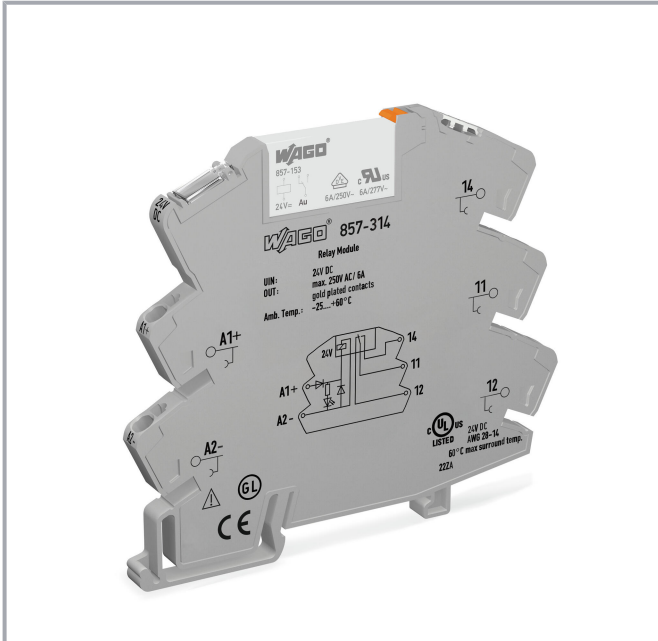


Data sheet | Item number: 857-314

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact;
Limiting continuous current: 6 A; with gold contacts; Yellow status indicator;
Module width: 6 mm; 2,50 mm²; gray

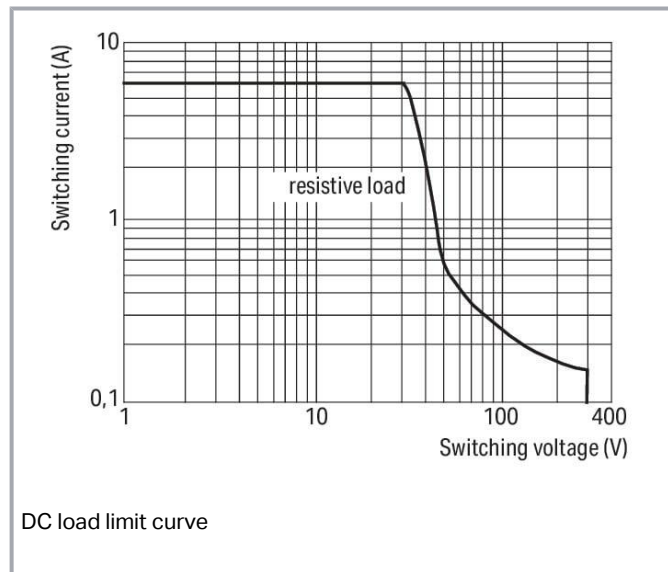
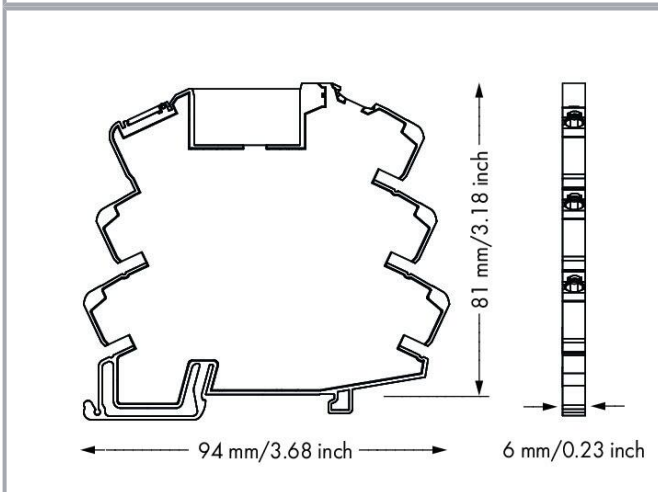
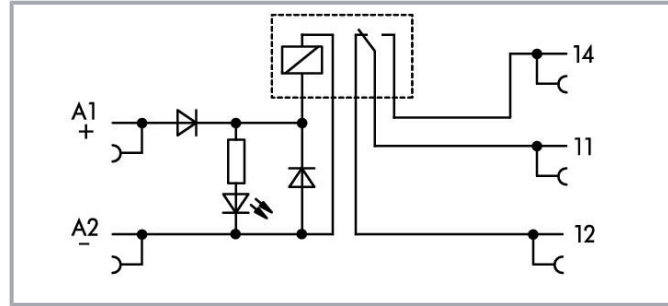


www.wago.com/857-314



Similar to picture

Color: —



DC load limit curve

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

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

Do you have any questions about our products?
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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 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.

Technical data

Control Circuit

Nominal input voltage U_N	DC 24 V
Input voltage range	-15 ... +20 %
Nominal input current at U_N	10 mA

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.)	6 ms
Drop-out time (typ.)	6 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

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



Switching frequency with/without load (max.)

6 min⁻¹ / 180 min⁻¹

Signaling

Status indicator

Yellow LED

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®

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

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

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Mechanical data

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

Material Data

Color	gray
Fire load	0.69 MJ
Weight	31.2 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	$\geq (T_{\text{ambient}} + 30 \text{ K})$
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	858-153
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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

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


PU (SPU)	25 (1) pcs
Packaging type	box
Country of origin	CN
GTIN	4050821809258
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)	5648064c-d412-475a-aefa-44c612061f10
SCIP notification number (Belgium)	91b25c41-0e84-48cd-b0ad-29c279f83341
SCIP notification number (Bulgaria)	b45f54ae-95f4-4ebb-86ec-85990f46bb1f
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SCIP notification number (Denmark)	617f3a29-6195-49c0-8661-f3a545961781
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SCIP notification number (Sweden)	1d813a95-9f21-4d85-ac46-678c20650e3b

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCC CNEX	CNCA-C23-01	2020312304000757 (Ex ec nC IIC T4 Gc)
	EAC	TP TC 012/2011	EAC Ex 857



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






Brjansker Zertifizierungsstelle

 RU_C_DE.
 AZ_58_B_02148_21
 nA nC (2Ex nA nC IIC
 T4 Gc X)

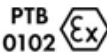

Declarations of conformity and manufacturer's declarations

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

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	IEC 60079-0	IECEX_BVS_14.

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DEKRA EXAM GmbH


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


Interface module

Interface adapters

	Item no.: 857-982 Interface adapter; 14-pole; High-side switching output	www.wago.com/857-982
	Item no.: 857-986 Interface adapter; 15-pole; High-side switching input	www.wago.com/857-986
	Item no.: 857-981 Interface adapter; 14-pole; High-side switching input	www.wago.com/857-981

Basic Relay

Basic relay

	Item no.: 857-153 Basic relay; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Module width: 5 mm; Module height: 15 mm	www.wago.com/857-153
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Subject to changes. Please also observe the further product documentation!

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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

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.: 859-406**

Jumper; for jumper slot; 6-way; insulated; light gray

www.wago.com/859-406**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

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

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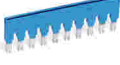










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	Item no.: 859-409/000-029 Jumper; for jumper slot; 9-way; insulated; yellow	www.wago.com/859-409/000-029
	Item no.: 859-410/000-005 Jumper; for jumper slot; 10-way; insulated; red	www.wago.com/859-410/000-005
	Item no.: 859-410/000-029 Jumper; for 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
		

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

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



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

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

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



Item no.: 209-128
Adaptor; gray

www.wago.com/209-128

Marking devices



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

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



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

Downloads Documentation

Bid Text

857-314 docx - Datei	2019 Feb 20	docx 17.0 kB	Download
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857-314 X81 - Datei	2019 Feb 19	xml 5.2 kB	Download
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Instruction Leaflet

CCC Ex (Additional information) 857-***	2023 Apr 26	pdf 133.0 kB	Download
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Elektromechanical and Solid-State Relays/Optocouplers	V 2.0.0 2022 Feb 15	pdf 2.6 MB	Download
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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 857-314		URL	Download
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CAE data

EPLAN Data Portal 857-314		URL	Download
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WSCAD Universe 857-314		URL	Download
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ZUKEN Portal 857-314		URL	Download
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Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-314

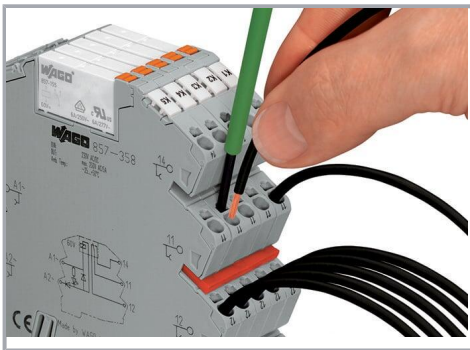
URL

Download

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Yellow status indicator; Module width: 6 mm; 2,50 mm²; gray

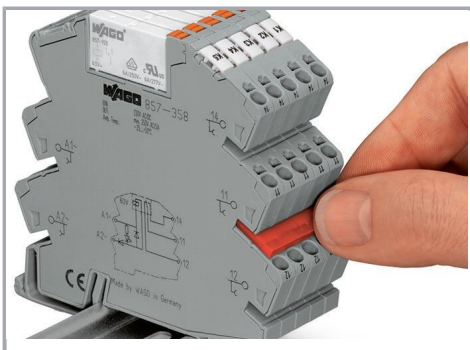
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking

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!