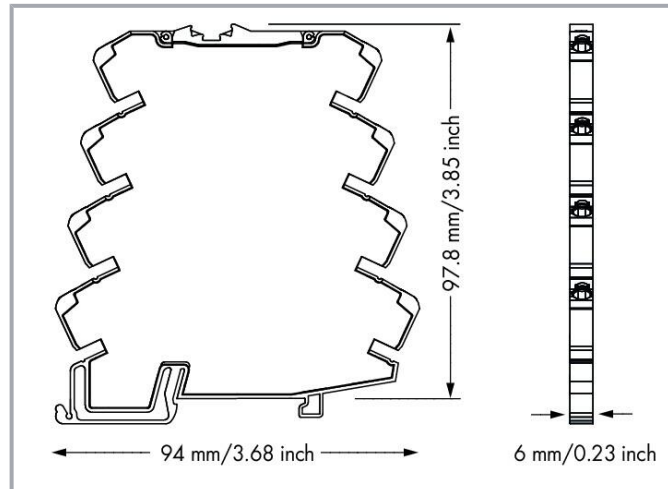
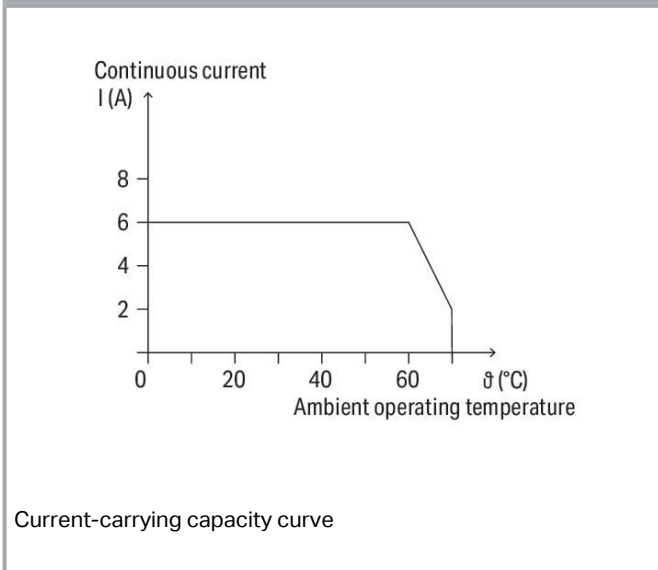
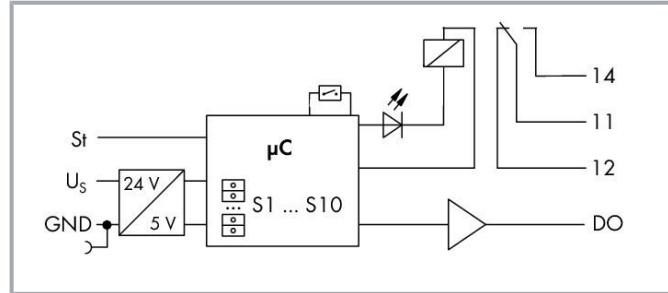
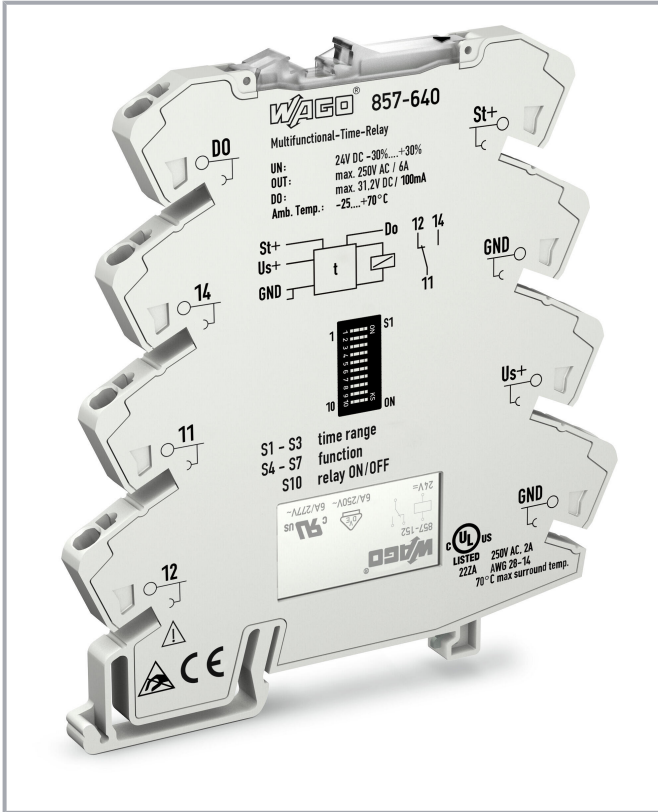


**Data sheet | Item number: 857-640**

Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; Railway; Multifunction/Multitime; Yellow status indicator; Module width: 6 mm



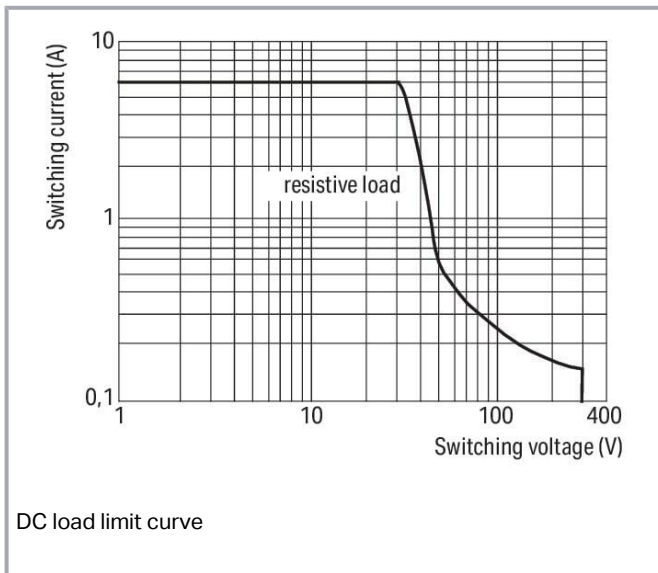
[www.wago.com/857-640](http://www.wago.com/857-640)



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

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## Item description

### Features:

- 14 functions
- Function and time range adjustable via DIP switch

## Data

### Technical data

### Control Circuit

Nominal input voltage $U_N$	DC 24 V
Input voltage range	$\pm 30\%$
Nominal input current at $U_N$	18 mA
Time range	Adjustable: 0.01 ... 0.1 s; 0.1 ... 1 s; 1 ... 10 s; 10 ... 100 s; 1 ... 10 min; 10 ... 100 min; 1 ... 10 h; 10 ... 100 h
Reset time	50 ms
Minimum pulse length (control input)	10 ms
Functions	On-delay On-delay (with control input) Off-delay (with control input) On- and off-delay (with control input) Single-shot leading edge Single-shot leading edge (with control input) Single-shot trailing edge (with control input)

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Single-shot leading and trailing edge (with control input)  
 On-delay and single-shot leading edge  
 On-delay and single-shot leading edge (with control input)  
 Step switching  
 Flashing (pulse start)  
 Flashing, interval start  
 Relay switching

## Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
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 <sup>3</sup> switching operations
Mechanical life	5 x 10 <sup>6</sup> switching operations
Digital output (DO)	U <sub>N</sub> - 1 V ; 100 mA

## Signaling

Status indicator	Yellow LED
------------------	------------

## Safety and protection

Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	4 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
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 <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 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	97.8 mm / 3.85 inches

### Mechanical data

Mounting type	DIN-35 rail
---------------	-------------

### Material Data

Fire load	0.013 MJ
Weight	33.2 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	2000 m

### Standards and specifications

Standards/specifications	EN 61812-1 EN 61373 EN 50121-3-2 UL 508
--------------------------	--

### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-05
eCl@ss 9.0	27-37-16-05
ETIM 8.0	EC001439
ETIM 7.0	EC001439
PU (SPU)	1 pcs

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



Packaging type	bag
Country of origin	DE
GTIN	4050821565703
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)	4029ba87-a0b8-4a9f-ae4d-b8026718a3cf
SCIP notification number (Belgium)	3234b8aa-bf2d-4b1a-ad01-c6dbcc7dd338
SCIP notification number (Bulgaria)	a186aba2-2280-41cf-959c-f810c03850b8
SCIP notification number (Czech Republic)	962d2948-4eb0-4407-ac8c-036eca4523ad
SCIP notification number (Denmark)	8ee5b9b3-b19a-4609-8dea-0faa7b4b70cf
SCIP notification number (Finland)	7d812479-4308-497a-8846-79ee4eb92ee6
SCIP notification number (France)	8819c87d-5f5b-4995-b8f9-490db3174e0d
SCIP notification number (Germany)	49e3f324-090c-4281-b21f-5363422841af
SCIP notification number (Hungary)	422efe8b-5699-4cf5-a536-bf57dac47f77
SCIP notification number (Italy)	29e8594d-faf2-4ae0-af87-801085326b58
SCIP notification number (Netherlands)	b3120f39-8f3a-4508-b3d4-a1dfede02aa2
SCIP notification number (Poland)	fba7fd85-bcd1-4681-80b9-463143cad6c6
SCIP notification number (Romania)	6bb4ed70-27bf-455d-a299-22cf02fdd4ed
SCIP notification number (Sweden)	28e1c026-9af6-463e-8275-36733122d23d

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19


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## Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

## 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](http://www.wago.com/2009-110)

## Double marker carrier



Item no.: 209-128

Adaptor; gray

[www.wago.com/209-128](http://www.wago.com/209-128)

## Marking devices



Item no.: 210-110

Fiber-tip pen

[www.wago.com/210-110](http://www.wago.com/210-110)

## Protective marker cover



Item no.: 209-184

Protection cover; transparent

[www.wago.com/209-184](http://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](http://www.wago.com/2009-115)

Item no.: 209-183

Marker; white

[www.wago.com/209-183](http://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](http://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;

[www.wago.com/793-502](http://www.wago.com/793-502)

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white



**Item no.: 793-503**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-503](http://www.wago.com/793-503)  
white



**Item no.: 793-504**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-504](http://www.wago.com/793-504)  
white



**Item no.: 793-505**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-505](http://www.wago.com/793-505)  
white



**Item no.: 793-506**

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-506](http://www.wago.com/793-506)  
white



**Item no.: 793-566**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; [www.wago.com/793-566](http://www.wago.com/793-566)  
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; [www.wago.com/793-5501](http://www.wago.com/793-5501)

Group marker carrier



**Item no.: 249-105**

Group marker carrier; gray

[www.wago.com/249-105](http://www.wago.com/249-105)

## Jumpers

Jumper



**Item no.: 859-408**

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

[www.wago.com/859-408](http://www.wago.com/859-408)



**Item no.: 281-482**

Jumper; 2-way; insulated; gray

[www.wago.com/281-482](http://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](http://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](http://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](http://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](http://www.wago.com/859-405/000-029)

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

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**Item no.: 859-405**

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

[www.wago.com/859-405](http://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](http://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](http://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](http://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](http://www.wago.com/859-406/000-005)



**Item no.: 859-409/000-029**

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

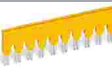
[www.wago.com/859-409/000-029](http://www.wago.com/859-409/000-029)



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

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

[www.wago.com/859-410/000-005](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/859-403/000-029)

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

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	<b>Item no.: 859-403/000-006</b> Jumper; for jumper slot; 3-way; insulated; blue	<a href="http://www.wago.com/859-403/000-006">www.wago.com/859-403/000-006</a>
	<b>Item no.: 859-408/000-005</b> Jumper; for jumper slot; 8-way; insulated; red	<a href="http://www.wago.com/859-408/000-005">www.wago.com/859-408/000-005</a>
	<b>Item no.: 859-408/000-029</b> Jumper; for jumper slot; 8-way; insulated; yellow	<a href="http://www.wago.com/859-408/000-029">www.wago.com/859-408/000-029</a>
	<b>Item no.: 859-409</b> Jumper; for jumper slot; 9-way; insulated; light gray	<a href="http://www.wago.com/859-409">www.wago.com/859-409</a>
	<b>Item no.: 859-408/000-006</b> Jumper; for jumper slot; 8-way; insulated; blue	<a href="http://www.wago.com/859-408/000-006">www.wago.com/859-408/000-006</a>
	<b>Item no.: 859-403</b> Jumper; for jumper slot; 3-way; insulated; light gray	<a href="http://www.wago.com/859-403">www.wago.com/859-403</a>
	<b>Item no.: 859-409/000-005</b> Jumper; for jumper slot; 9-way; insulated; red	<a href="http://www.wago.com/859-409/000-005">www.wago.com/859-409/000-005</a>
	<b>Item no.: 859-404</b> Jumper; for jumper slot; 4-way; insulated; light gray	<a href="http://www.wago.com/859-404">www.wago.com/859-404</a>
	<b>Item no.: 859-409/000-006</b> Jumper; for jumper slot; 9-way; insulated; blue	<a href="http://www.wago.com/859-409/000-006">www.wago.com/859-409/000-006</a>
	<b>Item no.: 859-402/000-006</b> Jumper; for jumper slot; 2-way; insulated; blue	<a href="http://www.wago.com/859-402/000-006">www.wago.com/859-402/000-006</a>
	<b>Item no.: 859-402</b> Jumper; for jumper slot; 2-way; insulated; light gray	<a href="http://www.wago.com/859-402">www.wago.com/859-402</a>
	<b>Item no.: 859-402/000-005</b> Jumper; for jumper slot; 2-way; insulated; red	<a href="http://www.wago.com/859-402/000-005">www.wago.com/859-402/000-005</a>
	<b>Item no.: 859-406/000-006</b> Jumper; for jumper slot; 6-way; insulated; blue	<a href="http://www.wago.com/859-406/000-006">www.wago.com/859-406/000-006</a>
	<b>Item no.: 859-406/000-029</b> Jumper; for jumper slot; 6-way; insulated; signal yellow	<a href="http://www.wago.com/859-406/000-029">www.wago.com/859-406/000-029</a>

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



**Item no.: 859-407/000-006**  
Jumper; for jumper slot; 7-way; insulated; blue

[www.wago.com/859-407/000-006](http://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](http://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](http://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](http://www.wago.com/859-407)

## Ferrule

### Ferrule



**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

[www.wago.com/216-242](http://www.wago.com/216-242)



**Item no.: 216-243**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-243](http://www.wago.com/216-243)



**Item no.: 216-244**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

[www.wago.com/216-244](http://www.wago.com/216-244)

## 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](http://www.wago.com/210-720)

## Downloads

### Documentation

#### Bid Text

Item no.	Date	File type	Size	Action
857-640	2019 Feb 20	docx	17.8 kB	Download
docx - Datei				
857-640	2019 Feb 19	xml	6.3 kB	Download
X81 - Datei				

### Instruction Leaflet

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

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## Data sheet | Item number: 857-640

[www.wago.com/857-640](http://www.wago.com/857-640)



Relaisbaustein mit gestecktem Kleinschaltrelais Multifunktionszeitrelais, 1 Wechsler (1u) , DC 24 V, 8 Zeitbereiche, 14 Funktionen	V 2.0.0 2022 Mar 10	pdf 2.5 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 857-640	URL	Download
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#### CAE data

EPLAN Data Portal 857-640	URL	Download
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ZUKEN Portal 857-640	URL	Download
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WSCAD Universe 857-640	URL	Download
------------------------	-----	----------

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 857-640	URL	Download
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Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A;  
Railway; Multifunction/Multitime; Yellow status indicator; Module width: 6 mm

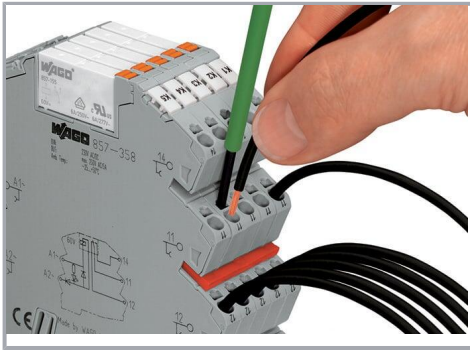
### Installation Notes

#### Conductor termination

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

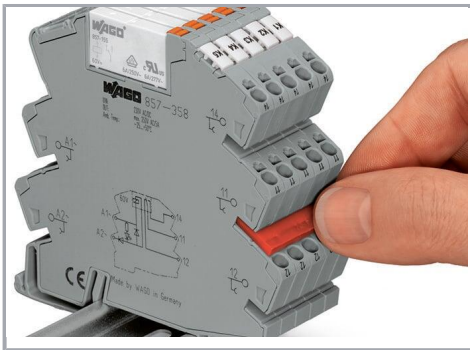
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Conductor termination

### Commoning



Easy commoning using adjacent jumpers

### Marking



Marking via WMB Multi Marking System.

### Installation

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



Removing a relay via ejector.

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