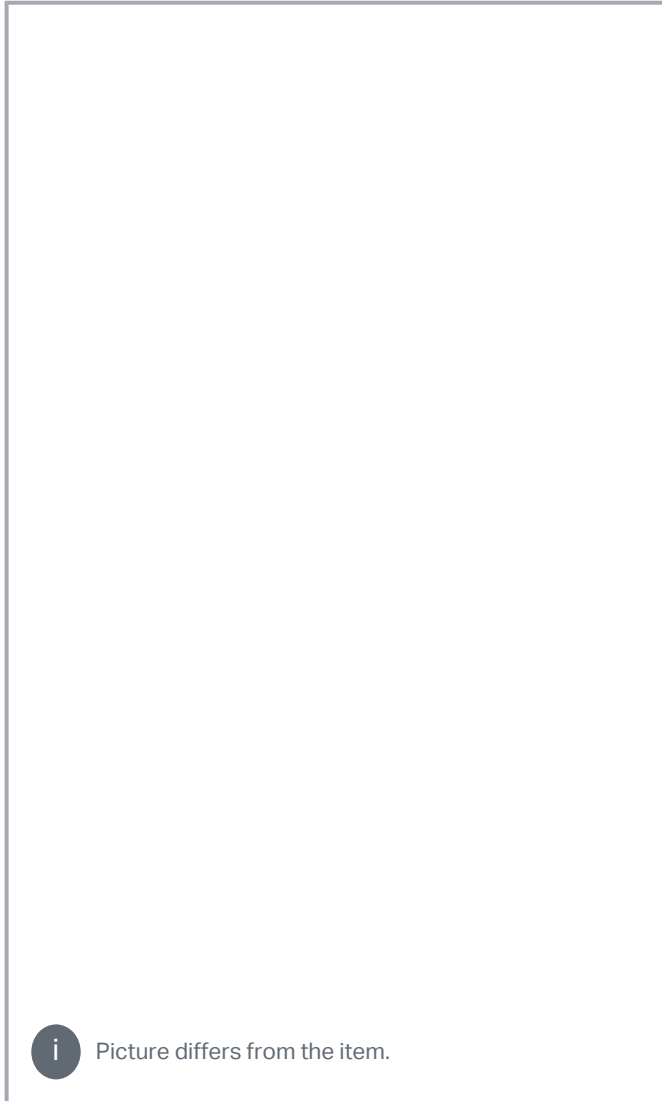


**Data sheet | Item number: 858-307**

Relay module; Nominal input voltage: 110 VDC; 4 changeover contacts;  
Limiting continuous current: 5 A; with manual operation; Red status indicator;  
Module width: 31 mm; 1,50 mm<sup>2</sup>



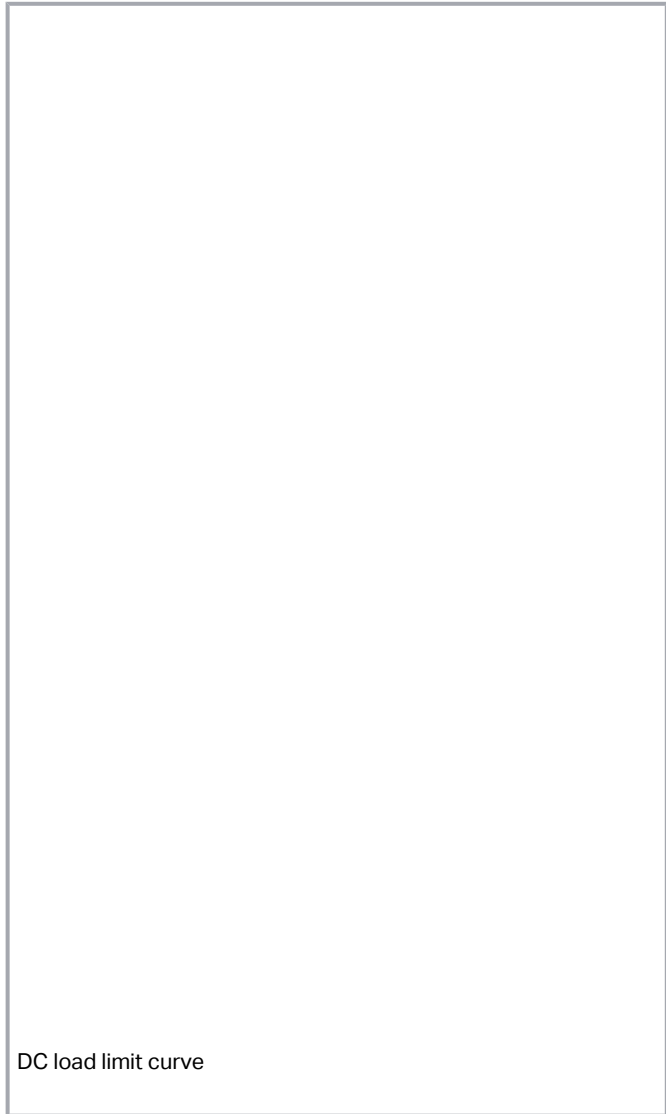
[www.wago.com/858-307](http://www.wago.com/858-307)



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

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Do you have any questions about our products?  
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DC load limit curve

## Data

### Technical data

### Control Circuit

Nominal input voltage $U_N$	DC 110 V
Input voltage range	-20 ... +10 %
Nominal input current at $U_N$	10 mA

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## Load circuit

Number of changeover/switchover contacts	4
Contact material (relay)	AgCe
Limiting continuous current	5 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 1250 VA; DC (see load limit curve)
Switching capacity	AC-15: 1 A / AC 240 V; DC-13: 2 A / DC 24 V
Recommended minimum load	12 V / 100 mA
Pull-in time (typ.)	25 ms
Drop-out time (typ.)	25 ms
Bounce time (typ.)	4 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 <sup>3</sup> switching operations
Mechanical life	20 x 10 <sup>6</sup> switching operations

## Signaling

Status indicator	Red LED Mechanical
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## Safety and protection

Rated voltage	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	1.5 kVrms
Insulation type (control/load circuit)	Basic insulation
Insulation type (open contact)	Functional insulation
Insulation type (load/load circuit)	Basic insulation
Insulation type (adjacent devices)	Reinforced insulation (safe isolation)
Protection type	IP20

## Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG

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



Fine-stranded conductor	0.34 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Note (conductor cross-section)	2 x 0.34 ... 2 x 1.5 mm <sup>2</sup> / 1 x 2.5 mm <sup>2</sup> / 2 x 22 ... 2 x 16 AWG

### Physical data

Width	31 mm / 1.22 inches
Height	97 mm / 3.819 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches

### Mechanical data

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

### Material Data

Fire load	1.255 MJ
Weight	95.6 g

### Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-25 ... +70 °C
Ambient temperature UL (operation at U <sub>N</sub> )	-25 ... 50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T <sub>ambient</sub> + 25 K)
Relative humidity	5 ... 85 %
Operating altitude (max.)	2000 m

### Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508 (max. 50 °C)
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### Basic relay

WAGO Basic Relay	858-162
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Subject to changes. Please also observe the further product documentation!



## 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	
PU (SPU)	5 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143567862
Customs tariff number	85364900990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122 /19

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

## Optional accessories

### Ferrule

Ferrule	<b>Item no.: 216-241</b> 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	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>
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Subject to changes. Please also observe the further product documentation!



<b>Item no.: 216-242</b> 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	<a href="http://www.wago.com/216-242">www.wago.com/216-242</a>
<b>Item no.: 216-243</b> 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	<a href="http://www.wago.com/216-243">www.wago.com/216-243</a>
<b>Item no.: 216-244</b> 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	<a href="http://www.wago.com/216-244">www.wago.com/216-244</a>
<b>Marking accessories</b>	
Marking strip	
<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
Marking device	
<b>Item no.: 210-110</b> Fiber-tip pen	<a href="http://www.wago.com/210-110">www.wago.com/210-110</a>
Double marker carrier	
<b>Item no.: 209-128</b> Adaptor; gray	<a href="http://www.wago.com/209-128">www.wago.com/209-128</a>
Protective marker cover	
<b>Item no.: 209-184</b> Protection cover; transparent	<a href="http://www.wago.com/209-184">www.wago.com/209-184</a>
Marker	
<b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
<b>Item no.: 209-183</b> Marker; white	<a href="http://www.wago.com/209-183">www.wago.com/209-183</a>
<b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
<b>Item no.: 793-502</b> WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-502">www.wago.com/793-502</a>
<b>Item no.: 793-503</b> WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-503">www.wago.com/793-503</a>
<b>Item no.: 793-504</b> WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-504">www.wago.com/793-504</a>
<b>Item no.: 793-505</b> WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-505">www.wago.com/793-505</a>
<b>Item no.: 793-506</b>	

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



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.: 209-145**

Group marker carrier; white

[www.wago.com/209-145](http://www.wago.com/209-145)

**Item no.: 249-105**

Group marker carrier; gray

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

**Jumpers**

## Jumper

**Item no.: 858-402**

Jumper; 2-way; insulated; light blue

[www.wago.com/858-402](http://www.wago.com/858-402)

**Mounting**

## Socket without relay

**Item no.: 858-110**

Ejector; for basic relays 25 mm x 35 mm

[www.wago.com/858-110](http://www.wago.com/858-110)

**Tool**

## Operating tool

**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

**Downloads****Documentation****Bid Text**

858-307 docx - Datei	2019 年2月20 日	docx 17.3 kB	Download
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858-307 X81 - Datei	2019 年2月19 日	xml 4.8 kB	Download
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**Instruction Leaflet**

Stecksocket für Elementarrelais	V 2.0.0 2022 年1月25 日	pdf 2.2 MB	Download
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**Additional Information**

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

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Do you have any questions about our products?  
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## CAD/CAE-Data

### CAD data

2D/3D Models 858-307	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

EPLAN Data Portal 858-307	<a href="#">URL</a>	<a href="#">Download</a>
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WSCAD Universe 858-307	<a href="#">URL</a>	<a href="#">Download</a>
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ZUKEN Portal 858-307	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 858-307	<a href="#">URL</a>	<a href="#">Download</a>
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Relay module; Nominal input voltage: 110 VDC; 4 changeover contacts; Limiting continuous current: 5 A; with manual operation; Red status indicator; Module width: 31 mm; 1,50 mm<sup>2</sup>

## Installation Notes

### Commoning



Removing a jumper via screwdriver.

### Marking

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





Marking using WMB Multi markers and group marker carriers.

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