

## Data sheet | Item number: 857-161

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



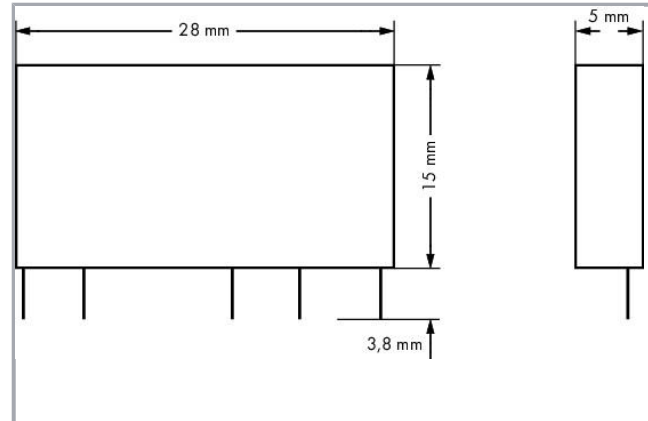
[www.wago.com/857-161](http://www.wago.com/857-161)



Similar to pictured device

RoHS Compliant

BOMcheck.net



### 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 $U_N$	DC 24 V
Input voltage range (low level)	DC 0 ... 10 V
Input voltage range (high level)	DC 18.8 ... 31.2 V

Subject to changes.

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Nominal input current at $U_N$	7 mA
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**Load circuit:**

Circuit type	2-conductor termination
Limiting continuous current	3 A
Max. make current (resistive)	(AC) 15 A / 0.01 s
Nominal output voltage	DC 24 V
Output voltage range	DC 0 ... 30 V
Max. voltage drop at output	≤ DC 0.12 V
Leakage current at nominal voltage	≤ 1 μA
Min. switching current	50 μA
Turn-on time	≤ 100 μs
Drop-out time	≤ 600 μs
Switching frequency	≤ 350 Hz

**Safety and protection:**

Dielectric strength, control/load circuit (AC, 1 min)	3.75 kVrms
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**Geometrical Data**

Width	5 mm / 0.197 inch
Height from the surface	15 mm / 0.591 inch
Depth	28 mm / 1.102 inch

**Mechanical data**

Type of mounting	Pluggable module
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**Material Data**

Weight	4.9 g
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**Environmental Requirements**

Surrounding air (operating) temperature at $U_N$	-30 ... 80 °C
Surrounding air (storage) temperature	-40 ... 100 °C

**Commercial data**


Product Group	6 (Interface Electronics)
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Subject to changes.

Packaging type	BOX
Country of origin	DE
GTIN	4045454997632
Customs Tariff No.	85365005000

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E340707

## Compatible products

### General accessories



Item no.: 857-104

Relay socket; Nominal input voltage: 24 V AC/DC; for 5 mm basic relays; Yellow status indicator

[www.wago.com/857-104](http://www.wago.com/857-104)

## Downloads

### Documentation

#### Bid Text

857-161 X81 - Datei	Feb 19, 2019	xml 3.4 kB	Download
857-161 doc - Datei	Nov 29, 2018	doc 26.6 kB	Download

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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## CAD/CAE-Data

### CAE data

EPLAN Data Portal 857-161	Download
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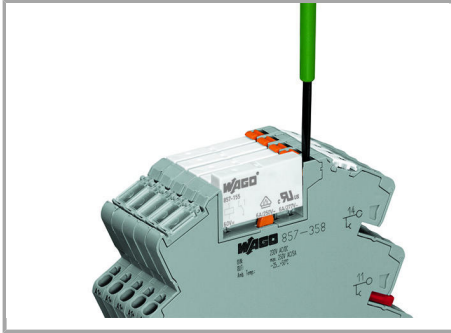
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## Installation Notes

### Assembly



Operation of the relay ejector

Subject to changes.