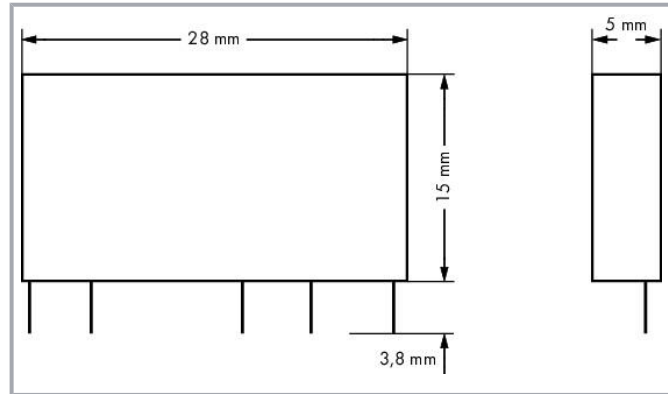


## Data sheet | Item number: 857-161

Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range:  
0 ... 30 VDC; Limiting continuous current: 3 A



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



Similar to picture

### Data

### Notes

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.

### 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
Nominal input current at $U_N$	7 mA

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

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

## 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
Voltage drop at output (max.)	≤ DC 0.12 V
Leakage current at rated voltage	≤ 1 µA
Switching current (min.)	50 µA
Turn-on time	≤ 100 µs
Turn-off 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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## Physical data

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

## Mechanical data

Mounting type	Pluggable module
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## Material Data

Weight	4.9 g
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## Environmental requirements

Ambient temperature (operation at $U_N$ )	-30 ... +80 °C
Ambient temperature (storage)	-40 ... +100 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	2000 m

## Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
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Subject to changes. Please also observe the further product documentation!




eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454997632
Customs tariff number	85365005000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals

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

### Optional accessories

#### Sockets

Socket without relay		
	<b>Item no.: 857-104</b> Relay socket; Nominal input voltage: 24 V AC/DC; for 5 mm basic relays; Yellow status indicator	<a href="http://www.wago.com/857-104">www.wago.com/857-104</a>

### Downloads

#### Documentation

#### Bid Text

Item	Date	File Type	Size	Action
857-161 X81 - Datei	2019 Feb 19	xml	3.4 kB	Download
857-161	2018 Nov 29	doc	26.6 kB	Download

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



doc - Datei

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### Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

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### CAD/CAE-Data

#### CAE data

EPLAN Data Portal 857-161	URL	Download
WSCAD Universe 857-161	URL	Download
ZUKEN Portal 857-161	URL	Download

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#### CAD data

2D/3D Models 857-161	URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 857-161	URL	Download
Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 30 VDC; Limiting continuous current: 3 A		

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### Installation Notes

#### 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!