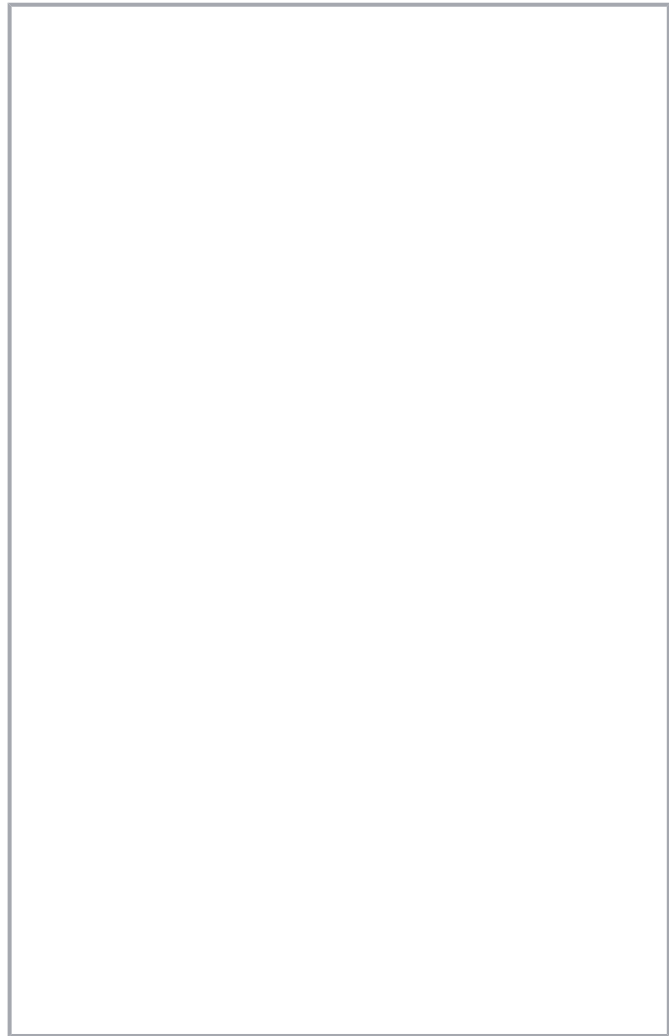


Data sheet | Item number: 857-161

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



Data Notes

Note

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

WAGO GmbH & Co. KG
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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.



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

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.)	$\leq$ DC 0.12 V
Voltage drop	$\leq$ 0.12 VDC
Leakage current at rated voltage	$\leq$ 1 μ A
Switching current (min.)	50 μ A
Turn-on time	$\leq$ 100 μ s
Turn-off time	$\leq$ 600 μ s
Switching frequency	$\leq$ 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

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



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)
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
Recupel Type	
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

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



Optional accessories

Sockets

Socket without relay			
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

Downloads

Documentation

Bid Text

857-161 X81 - Datei	2019 年2月19 日	xml 3.4 kB	Download
857-161 doc - Datei	2018 年11 月29 日	doc 26.6 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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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

CAD data

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

Compliance Search

Environmental Product Compliance 857-161 Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 30 VDC; Limiting continuous current: 3 A	URL	Download
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Subject to changes. Please also observe the further product documentation!



Installation Notes

Installation



Removing a relay via ejector.

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

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