Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 24 … 240 VAC; Limiting continuous current: 2 A

www.wago.com/857-167

Similar to picture

Data

Notes

Note

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

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Email: info.de@wago.com | Web: www.wago.com

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 20 … 28.8 V
Nominal input current at U_N	7 mA

Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	2 A
Nominal output voltage	AC 230 V
Output voltage range	AC 24 … 240 V
Voltage drop at output (max.)	≤ AC 1.6 V
Voltage drop	≤ 1.6 VAC
Leakage current at rated voltage	≤ 1.5 mA
Switching current (min.)	22 mA
Turn-on time	≤ 10 ms
Turn-off time	≤ 10 ms
Switching frequency	50 Hz / 60 Hz

Safety and protection

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

Physical data

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

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Mechanical data

Mounting type	Pluggable module

Material Data

Weight	3.5 g

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	IT
GTIN	4045454997656
Customs tariff number	85365005000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

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

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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

857-167 X81 - Datei	2019 年2月19 日	xml 3.5 kB	Download
857-167 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

CAD/CAE-Data

CAE data

EPLAN Data Portal 857-167	URL	Download
WSCAD Universe 857-167	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-167 Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 24 … 240 VAC; Limiting continuous current: 2 A	URL	Download

Installation Notes

Installation

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

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Removing a relay via ejector.

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

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