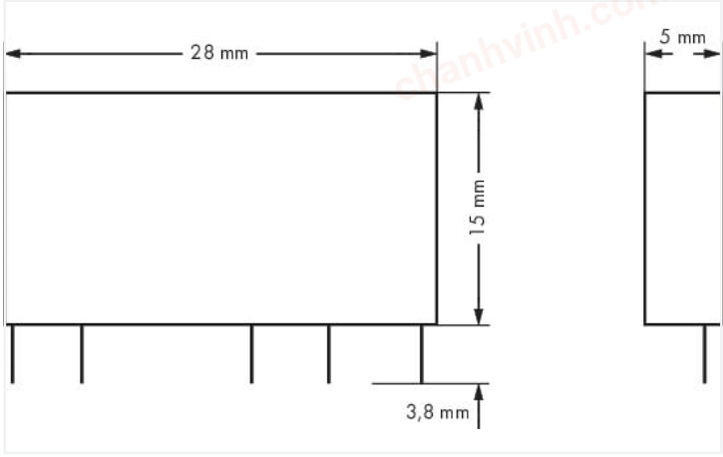
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Data Sheet | Item Number: 857-167

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

https://www.wago.com/857-167





Dimensions in mm

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 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	≤ 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

Fire load	0 MJ
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
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

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E340707

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Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 857-167	

Documentation

Bid Text

857-167	19.02.2019	xml 3.41 KB	
857-167	29.11.2018	doc 26.00 KB	

CAD/CAE-Data

CAE data	
EPLAN Data Portal 857-167	
WSCAD Universe 857-167	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Socket

1.1.1.1 Socket without relay



Item No.: 857-104
Relay socket; Nominal input voltage: 24 V AC/DC; for 5 mm basic relays; Yellow status indicator

Installation Notes

Installation



Removing a relay via ejector.