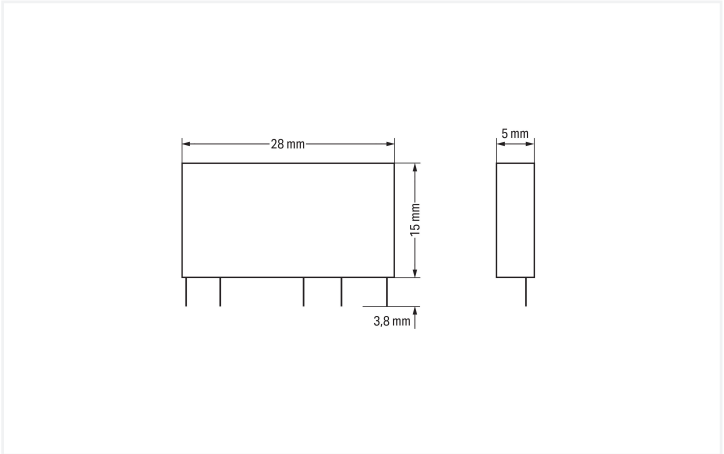


Data Sheet | Item Number: 857-167

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>



Notes	
Note	Optocouplers and solid state relays are designed for use in signal processing networks that are not supplied directly by the low-voltage power supply network.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	24 VDC	Circuit type	2-wire connection Zero-voltage switching
Input voltage range (low level)	0 ... 10 VDC	Limiting continuous current	2 A
Input voltage range (high level)	20 ... 28.8 VDC	Nominal output voltage	230 VAC
Nominal input current at U_N	7 mA	Output voltage range	24 ... 240 VAC
		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

Mechanical data

Mounting type	Pluggable module
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Material data

Note (material data)	Information on material specifications can be found here
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
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)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	IT
GTIN	4045454997656
Customs tariff number	85365005000

Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 9.0	EC001504
ETIM 10.0	EC001504
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-167	
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Documentation

Bid Text

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

CAD/CAE-Data

CAD data

2D/3D Models 857-167	
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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 indi-
cator

Installation Notes

Installation



Removing a relay via ejector.