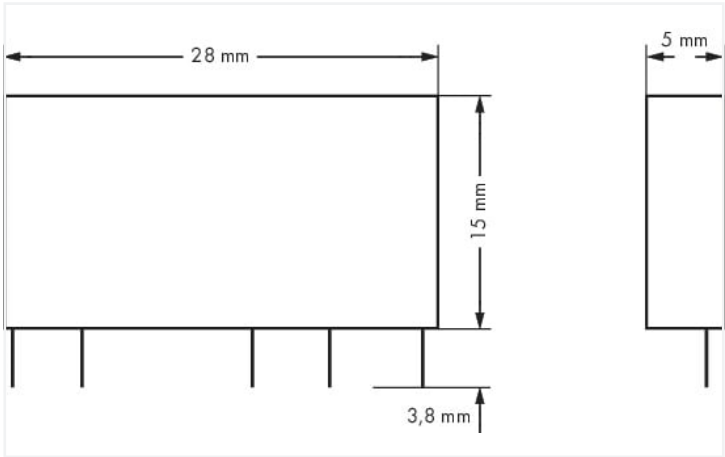


Data Sheet | Item Number: 857-167

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 that are not supplied directly by the low-voltage power supply network.

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



Mechanical data	
Mounting type	Pluggable module

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

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

CAD data			
2D/3D Models 857-167			

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.

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

Current addresses can be found at: www.wago.com