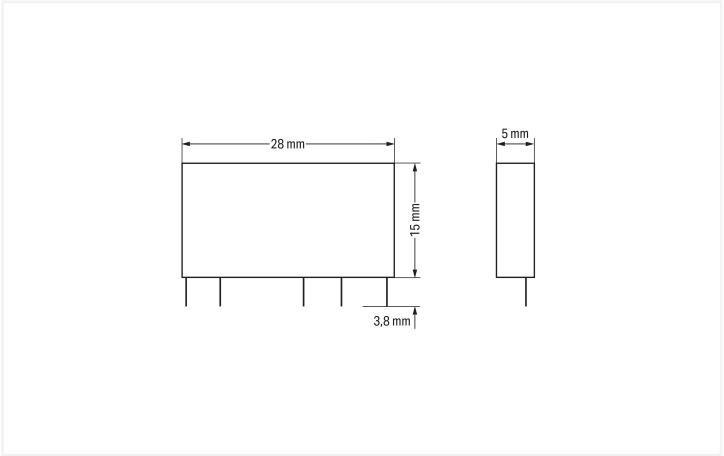


Data Sheet | Item Number: 857-161

Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 30 VDC;
Limiting continuous current: 3 A

<https://www.wago.com/857-161>



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
Input voltage range (low level)	0 ... 10 VDC	Limiting continuous current	3 A
Input voltage range (high level)	18.8 ... 31.2 VDC	Inrush current (resistive) max.	(AC) 15 A / 0.01 s
Nominal input current at U_N	7 mA	Nominal output voltage	24 VDC
		Output voltage range	0 ... 30 VDC
		Voltage drop	≤ 0.12 VDC
		Leakage current at rated voltage	$\leq 1 \mu\text{A}$
		Switching current (min.)	50 μA
		Turn-on time	$\leq 100 \mu\text{s}$
		Turn-off time	$\leq 600 \mu\text{s}$
		Switching frequency	≤ 350 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		4.9 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		DE
GTIN		4045454997632
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



Approvals / Certificates

General approvals



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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 857-161

Documentation

Bid Text
857-161
19.02.2019
xml 3.35 KB
857-161
29.11.2018
doc 26.00 KB

CAD/CAE-Data

CAD data
2D/3D Models 857-161

CAE data
EPLAN Data Portal 857-161
WSCAD Universe 857-161
ZUKEN Portal 857-161



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.