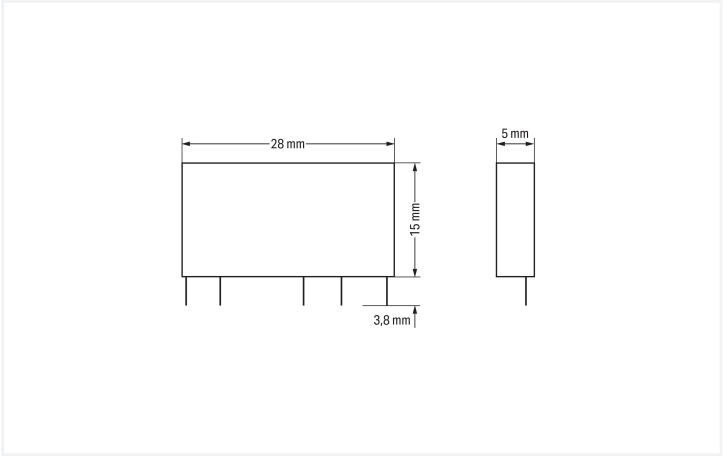


Data Sheet | Item Number: 857-165

Basic solid-state relay; Nominal input voltage: 60 VDC; Output voltage range: 0 ... 48 VDC

<https://www.wago.com/857-165>



Similar to illustration

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	60 VDC	Circuit type	2-wire connection
Input voltage range (low level)	0 ... 10 VDC	Limiting continuous current	0.1 A
Input voltage range (high level)	35 ... 72 VDC	Nominal output voltage	24 VDC
Nominal input current at U_N	3 mA	Output voltage range	0 ... 48 VDC
		Voltage drop	≤ 1 VDC
		Leakage current at rated voltage	$\leq 1 \mu A$
		Switching current (min.)	50 μA
		Turn-on time	$\leq 100 \mu s$
		Turn-off time	$\leq 600 \mu s$
		Switching frequency	≤ 1 kHz

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		3.2 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		4045454997663
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 857-165	
---	--

Documentation

Bid Text

857-165	19.02.2019	xml 3.41 KB	
857-165	29.11.2018	doc 26.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models 857-165	
----------------------	--

CAE data

EPLAN Data Portal 857-165	
WSCAD Universe 857-165	

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