

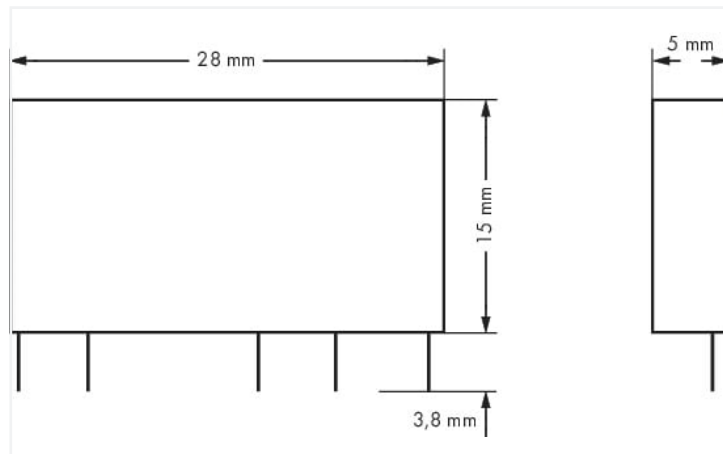
Data Sheet | Item Number: 857-164

Basic solid-state relay; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 48 VDC

<https://www.wago.com/857-164>



Similar to illustration



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

Nominal input voltage U_N	DC 24 V
Input voltage range (low level)	DC 0 ... 10 V
Input voltage range (high level)	DC 16.8 ... 30 V
Nominal input current at U_N	7 mA

Load circuit

Circuit type	2-wire connection
Limiting continuous current	0.1 A
Nominal output voltage	DC 24 V
Output voltage range	DC 0 ... 48 V
Voltage drop	≤ 1 VDC
Leakage current at rated voltage	≤ 1 μ A
Switching current (min.)	50 μ A
Turn-on time	≤ 100 μ s
Turn-off time	≤ 600 μ s
Switching frequency	≤ 1 kHz

Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	3.75 kVrms
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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	3.2 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)
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	QU
GTIN	4045454997670
Customs tariff number	85365005000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 857-164



Documentation

Bid Text

857-164	19.02.2019	xml 3.41 KB	
857-164	29.11.2018	doc 26.00 KB	

CAD/CAE-Data

CAD data

2D/3D Models 857-164



CAE data

EPLAN Data Portal 857-164



WSCAD Universe 857-164



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