

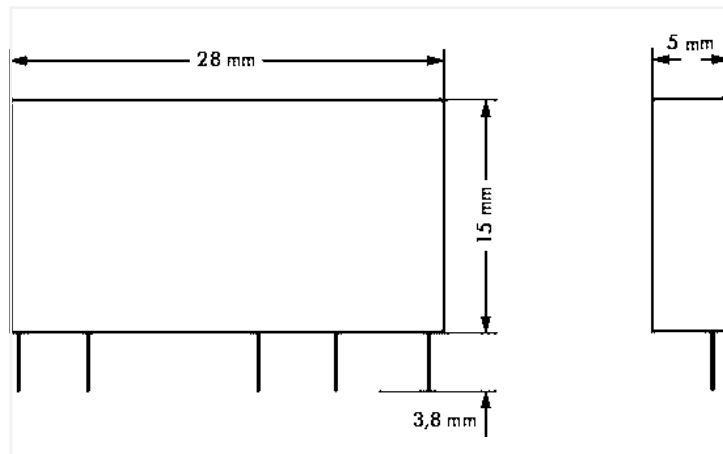
Data Sheet | Item Number: 857-164

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, which are not supplied by the low-voltage power supply networks.

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

Fire load	0 MJ
Weight	3.2 g

Environmental requirements

Ambient temperature (operation at U _N)	-30 ... +80 °C
Surrounding air 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 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	QU
GTIN	4045454997670
Customs tariff number	85365005000

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

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

