

Data sheet | Item number: 857-168

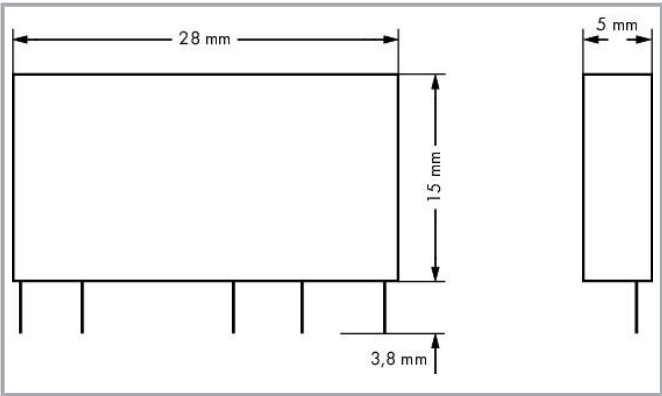
Basic solid-state relay; Nominal input voltage: 60 VDC; Output voltage range: 24 ... 240 VAC; Limiting continuous current: 2 A



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**Data
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 60 V
Input voltage range (low level)	DC 0 ... 10 V
Input voltage range (high level)	DC 35 ... 72 V
Nominal input current at U_N	3.1 mA

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

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Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	2 A
Nominal output voltage	AC 230 V
Output voltage range	AC 24 ... 240 V
Voltage drop at output (max.)	≤ AC 1.6 V
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
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Physical data

Width	5 mm / 0.197 inch
Height from the surface	15 mm / 0.591 inch
Depth	28 mm / 1.102 inch

Mechanical data

Mounting type	Pluggable module
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Material data

Weight	3.6 g
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Environmental requirements

Surrounding air 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

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Commercial data

Product Group	6 (Interface Electronics)
PU (SPU)	20 Each
Packaging type	box
Country of origin	DE
GTIN	4045454997649
Customs tariff number	85365005000

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E340707

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Documentation

Bid Text

857-168 X81 - Datei	2019. 2. 19.	xml 3.5 kB	Download
857-168 doc - Datei	2018. 11. 29.	doc 26.6 kB	Download

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 857-168	URL	Download
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WSCAD Universe 857-168

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Installation Notes

Installation



Removing a relay via ejector.

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