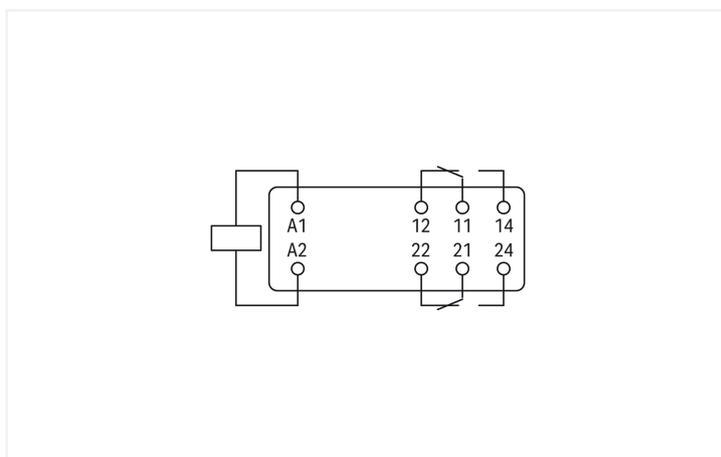
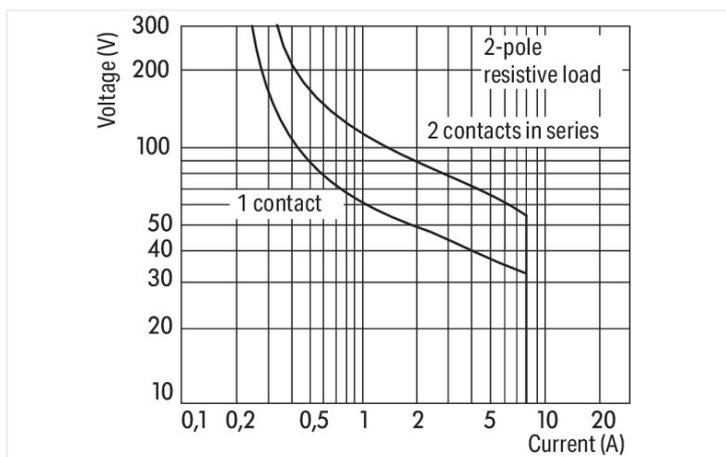


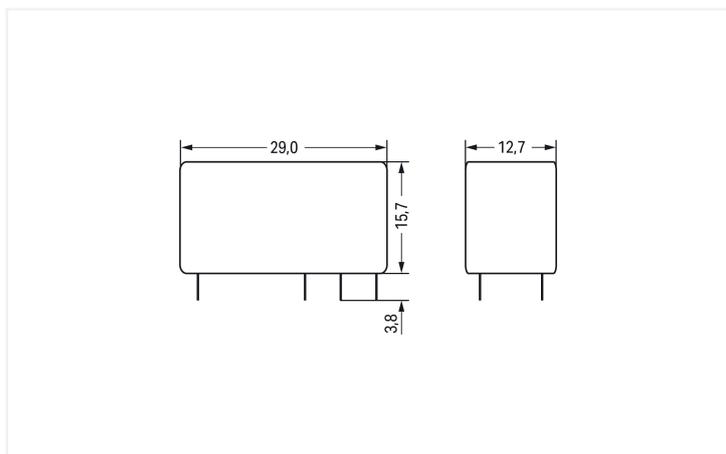
Data Sheet | Item Number: 788-160

Basic relay; Nominal input voltage: 48 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm

<https://www.wago.com/788-160>



DC load limit curve



Dimensions in mm

Technical data

Control circuit

Nominal input voltage U_N	48 VDC
Nominal input current at U_N	9 mA

Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi 90/10
Limiting continuous current	8 A
Inrush current (resistive) max.	(AC) 15 A / 4 s
Switching Voltage, Max.	250 VAC
Switching power (resistive) max.	AC 2000 VA; DC (see load limit curve)
Switching capacity	AC-15: 3 A / 250 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ.)	10 ms
Electrical life (NO; resistive load; 23 °C)	10 x 10 ³ switching operations
Mechanical life	30 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 1200 min ⁻¹

Safety and protection

Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kVrms

Physical data

Width	12.7 mm / 0.5 inches
Height from the surface	15.7 mm / 0.618 inches
Depth	29 mm / 1.142 inches

Mechanical data

Mounting type	Pluggable module
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Material data

Note (material data)	Information on material specifications can be found here
Fire load	0 MJ
Weight	13.6 g

Environmental requirements

Ambient temperature (operation at U_N)	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C

Standards and Specifications

Standards/specifications	EN 61810-1
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	AT
GTIN	4050821867791
Customs tariff number	85364900990

Product Classification

UNSPSC	39122334
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 10.0	EC001437
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	2109c70a-c7ca-4b09-8488-1345e31680c3
SCIP notification number (Belgium)	25559d32-f8be-4a04-98e4-289706e363ee
SCIP notification number (Bulgaria)	121e9d65-141d-48e5-b9cd-b50006247cfa
SCIP notification number (Czech Republic)	99fe4663-e215-45e7-bc65-42918587b083
SCIP notification number (Denmark)	3c1cb912-f969-46cb-8b8a-a238045eba06
SCIP notification number (Finland)	7609bde4-896b-46c4-a175-2f78b9892095
SCIP notification number (France)	da6a410f-5da1-455f-8a06-7d3a529a7df8
SCIP notification number (Germany)	af9c171d-6a3f-4df3-9c30-fa3d4500da5b
SCIP notification number (Hungary)	2f067f95-c01a-4817-821e-679af4f892d7
SCIP notification number (Italy)	b37cf352-e7f4-4382-9592-572d4ae80f6b
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SCIP notification number (Romania)	502b3d25-2b1f-49b1-9e2c-cd9a1014bbca
SCIP notification number (Sweden)	e27e1bcb-87e5-4346-8c80-73a06072779e

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 788-160



Documentation

Bid Text

788-160	19.02.2019	xml 3.59 KB	↓
788-160	20.02.2019	docx 15.56 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 788-160



CAE data

WSCAD Universe
788-160



1 Compatible Products

1.1 Optional Accessories

1.1.1 Socket

1.1.1.1 Socket without relay



Item No.: [788-102](#)

Relay socket; 2 changeover contacts; for 15 mm basic relays; gray