

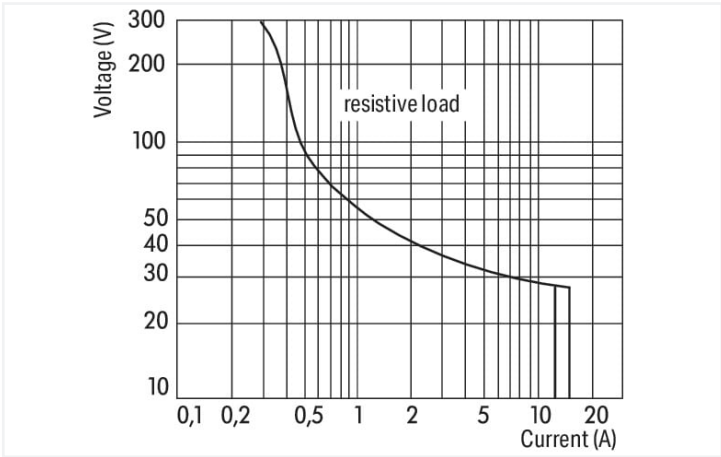
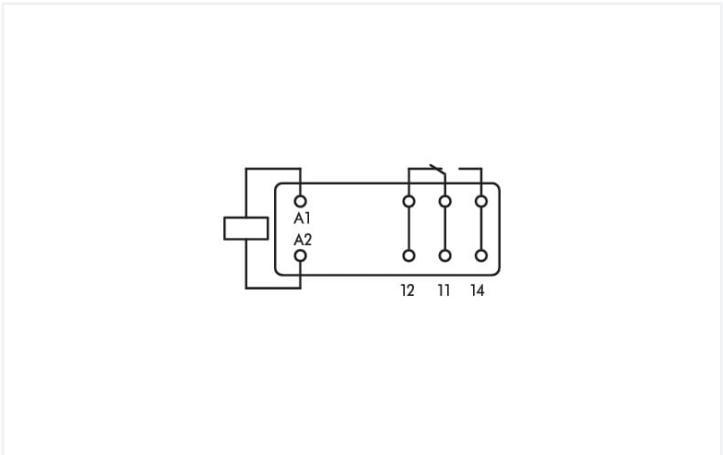
Data Sheet | Item Number: 788-158

Basic relay; Nominal input voltage: 48 VDC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm

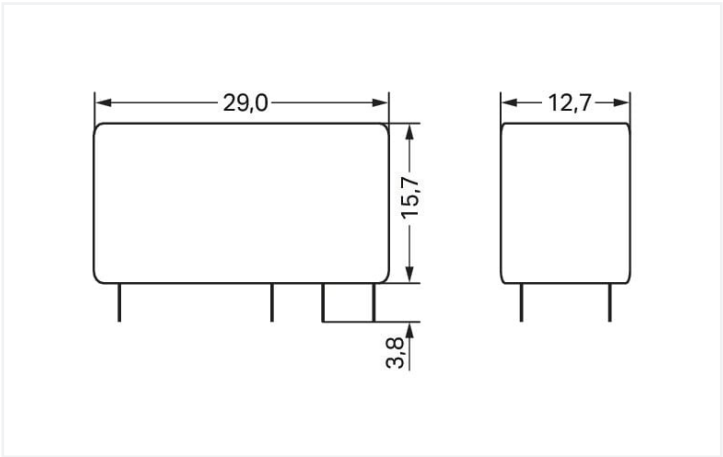
<https://www.wago.com/788-158>



Similar to illustration



DC load limit curve



Dimensions in mm

Technical data			
Control circuit		Load circuit	
Nominal input voltage U_N	DC 48 V	Number of changeover/switchover contacts	1
Nominal input current at U_N	9 mA	Contact material (relay)	AgNi 90/10
		Limiting continuous current	16 A
		Inrush current (resistive) max.	(AC) 30 A / 4 s
		Switching voltage (max.)	AC 250 V
		Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
		Switching capacity	AC-15: 6 A / AC 250 V; DC-13: 2 A / DC 24 V
		Recommended minimum load	12 V / 10 mA
		Pull-in time (typ.)	8 ms
		Drop-out time (typ.)	6 ms
		Bounce time (typ.)	6 ms
		Electrical life (NO; resistive load; 23 °C)	30 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

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

Fire load	0 MJ
Weight	13.1 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)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 8.0	EC001437
ETIM 7.0	EC001437
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821867784
Customs tariff number	85364900990

Environmental Product Compliance

CAS-No.	80-05-7
REACH Candidate List Substance	4,4'-isopropylidenediphenol
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	4d128dbb-22ad-4004-b243-ac53f756e107
SCIP notification number (Belgium)	cfb83a63-3638-4ccd-9b4a-4cd36d332706
SCIP notification number (Bulgaria)	332692d6-fb38-48c5-a4c6-d63b81833055
SCIP notification number (Czech Republic)	d4f0b9a6-a585-4b62-934a-e30d449a4dcc
SCIP notification number (Denmark)	ac2add43-4c20-4867-bb6a-70b19be340e0
SCIP notification number (Finland)	99f5245c-8331-419e-af54-cb922c9ae1e1
SCIP notification number (France)	9ca1d434-110c-4e7f-bc2d-40f326aa1d22
SCIP notification number (Germany)	2dc2ea3d-7a8c-46f9-9d6a-fd4ecb4f48de
SCIP notification number (Hungary)	85de9453-da0c-49f7-970c-6bf80bf69e0b
SCIP notification number (Italy)	3db3ecb2-d71e-4d4e-b970-af436f855832
SCIP notification number (Netherlands)	115c65dc-883d-42ec-903e-5b6420f1e936



Environmental Product Compliance	
SCIP notification number (Poland)	30a2ddba-132a-4b8f-a3f7-65db79bf15ee
SCIP notification number (Romania)	28032b8f-f16a-40a6-bee2-d3e8aa7e2e5a
SCIP notification number (Sweden)	f7bdaec1-e151-403c-8e3b-059845cf3d02

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-158

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Documentation

Bid Text

788-158	19.02.2019	xml 3.49 KB	↓
788-158	20.02.2019	docx 15.21 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 788-158

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CAE data

WSCAD Universe 788-158

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Socket

1.1.1.1 Socket without relay



Item No.: [788-100](#)
Relay socket; 1 changeover contact; for 15 mm basic relays; gray