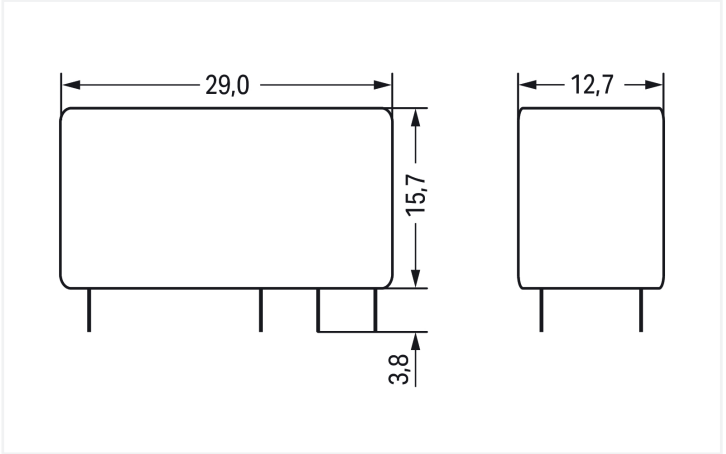
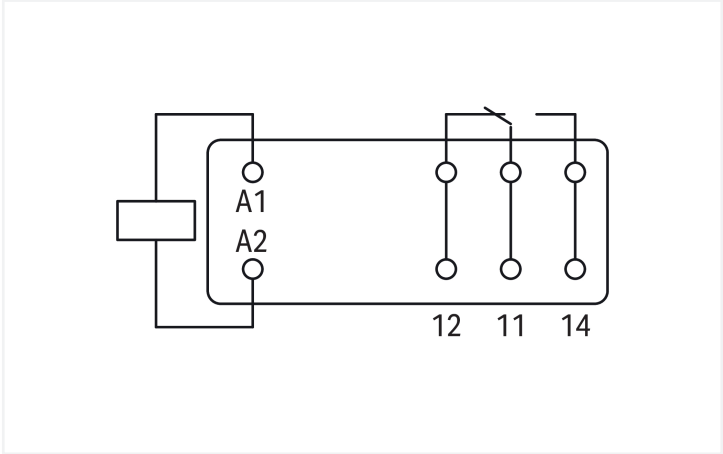
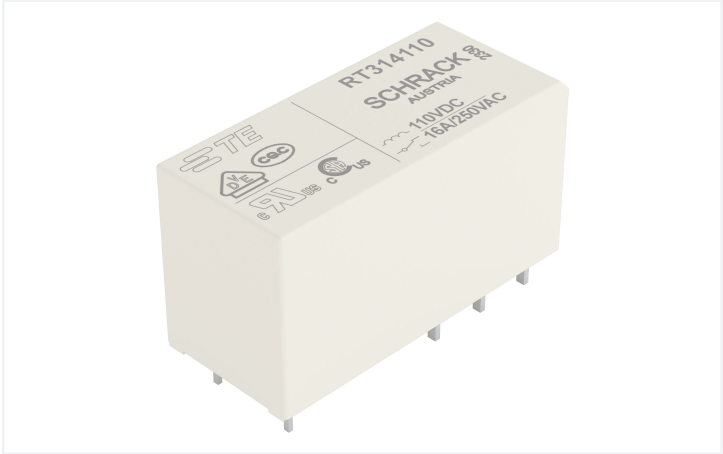


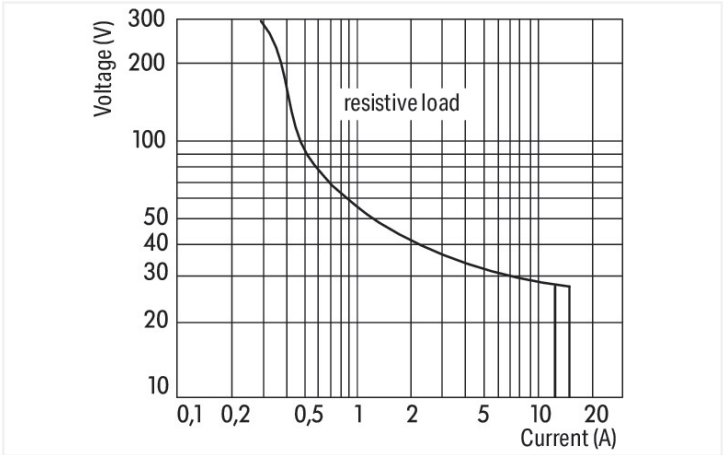
Data Sheet | Item Number: 788-166

Basic relay; Nominal input voltage: 110 VDC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm

<https://www.wago.com/788-166>



Dimensions in mm



DC load limit curve



Technical data

Control circuit		Load circuit	
Nominal input voltage U _N	110 VDC	Number of changeover/switchover con- tacts	1
Nominal input current at U _N	4 mA	Contact material (relay)	AgNi 90/10
		Limiting continuous current	16 A
		Inrush current (resistive) max.	(AC) 30 A / 4 s
		Switching Voltage, Max.	250 VAC
		Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
		Switching capacity	AC-15: 6 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.)	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

Note (material data)	Information on material specifications can be found here
Fire load	0 MJ
Weight	13.5 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

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 9.0	EC001437
ETIM 8.0	EC001437
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821867821
Customs tariff number	85364900990

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	16096d40-862a-4080-8e57-03dee13f3fce
SCIP notification number (Belgium)	28cd4897-4365-4fc4-be7f-161396e9444c
SCIP notification number (Bulgaria)	92ec6987-1918-46e2-ab8c-396f1b48a543
SCIP notification number (Czech Republic)	2479179b-3b45-451e-bd2b-761e4fb4b1e2
SCIP notification number (Denmark)	58acb7be-cae4-49b0-a2a8-d4b1e3aa208e
SCIP notification number (Finland)	e5fc0b12-024f-483b-9d59-f7897c9ae461
SCIP notification number (France)	9cb546f8-1a95-46af-818c-526138c5bbdb
SCIP notification number (Germany)	cf0c0be9-e526-4ac2-8ed0-7f7d102733c3
SCIP notification number (Hungary)	a2a4f7dd-3d79-4660-bf96-e54e1fa62a78
SCIP notification number (Italy)	a194b18e-32a4-4cd2-a8f1-1b86b75ac233
SCIP notification number (Netherlands)	ef453ad3-3acd-4e79-b5e9-8c8995d62a43
SCIP notification number (Poland)	87467a93-31df-4b93-a3d3-fcc1dfc981cb
SCIP notification number (Romania)	2c17f364-cb62-4df0-9a2d-7287981f2716
SCIP notification number (Sweden)	80134039-1839-474a-a10f-4c9a1ed5f0fc

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-166	



Documentation

Bid Text			
788-166	19.02.2019	xml 3.49 KB	↓
788-166	20.02.2019	docx 15.22 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 788-166
↓

CAE data
WSCAD Universe 788-166
↓

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