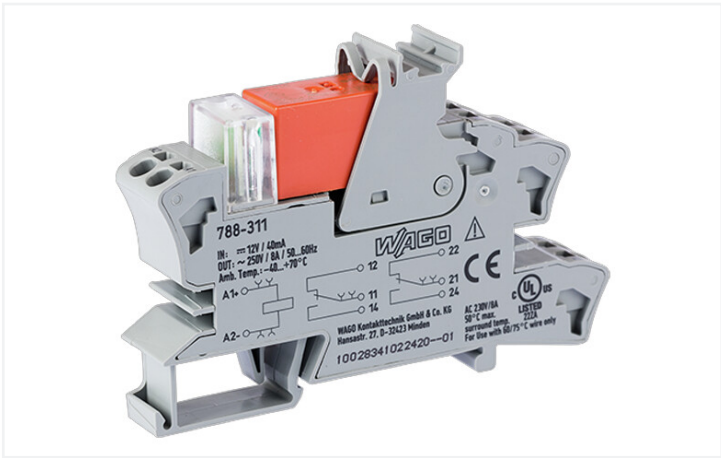


**Data Sheet | Item Number: 788-311**

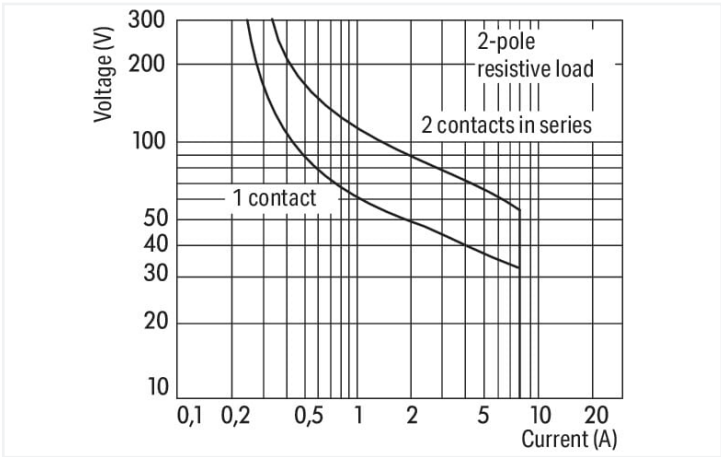
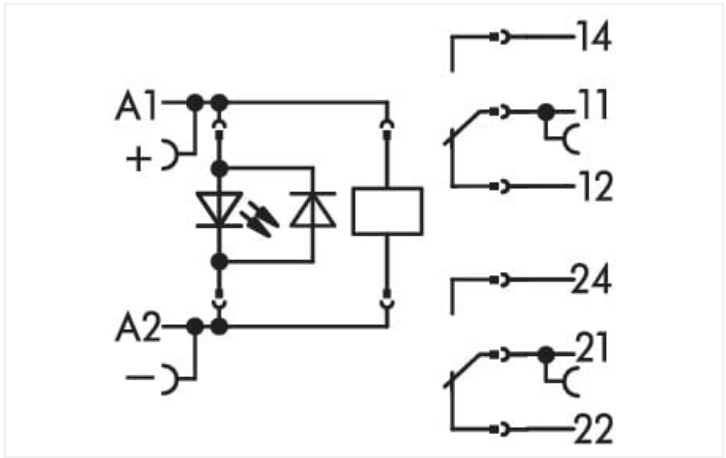
Relay module; Nominal input voltage: 12 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Red status indicator; Module width: 15 mm; 2,50 mm<sup>2</sup>; gray



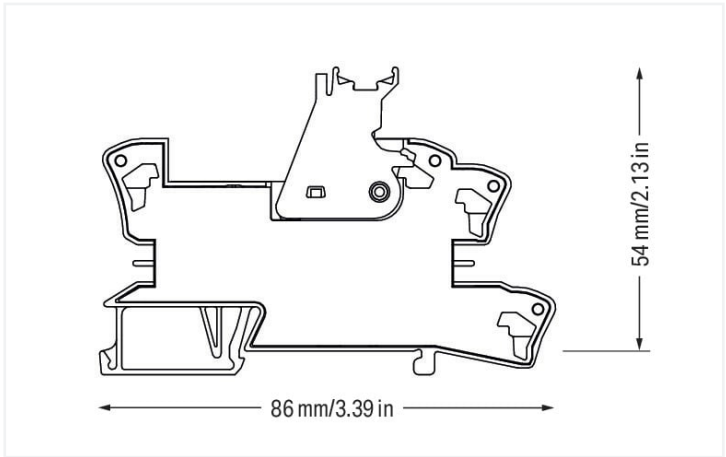
<https://www.wago.com/788-311>



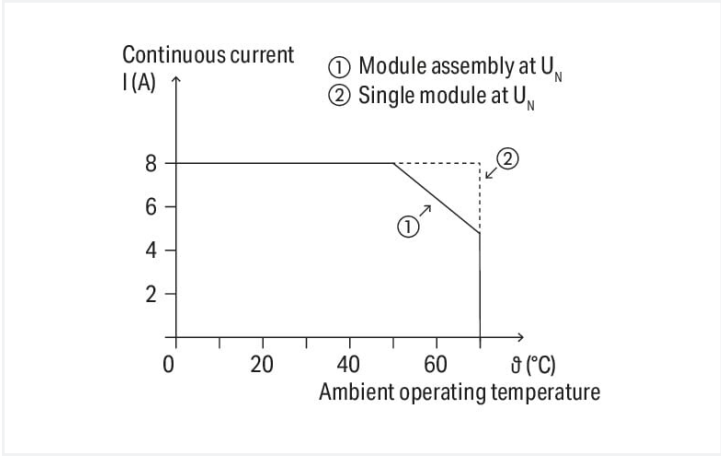
Color: ■ gray



DC load limit curve



Dimensions in mm



Current-carrying capacity curve



Notes	
Safety information	A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.
Note	<ul style="list-style-type: none"><li>Reinforced insulation between coil and contacts</li><li>To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.</li></ul>

Technical data	
Control circuit	Load circuit
Nominal input voltage $U_N$	DC 12 V
Input voltage range	$\pm 10\%$
Nominal input current at $U_N$	36 mA
	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.)
	AC 250 V
	Switching power (resistive) max.
	AC 2000 VA; DC (see load limit curve)
	Switching capacity
	AC-15: 3 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.)
	13 ms
	Bounce time (typ.)
	10 ms
	Electrical life (NO; resistive load; 23 °C)
	10 x 10 <sup>3</sup> switching operations
	Mechanical life
	30 x 10 <sup>6</sup> switching operations
	Switching frequency with/without load (max.)
	6 min <sup>-1</sup> / 1200 min <sup>-1</sup>

Signaling	
Status indicator	Red LED

Safety and protection	
Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	3
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
Safety information	A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.
Protection type	IP20

Connection data	
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches



Physical data	
Width	15 mm / 0.591 inches
Height	86 mm / 3.386 inches
Depth from upper-edge of DIN-rail	54 mm / 2.126 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Color	gray
Fire load	0.677 MJ
Weight	45.4 g

Environmental requirements	
Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °C
Ambient temperature UL (operation at U <sub>N</sub> )	-40 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T <sub>ambient</sub> + 20 K)

Standards and specifications	
Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508

Basic relay	
WAGO Basic Relay	788-152

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 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143184120
Customs tariff number	85364900990

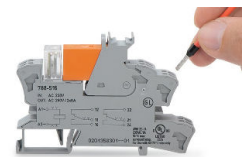
Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Vol.1 Sec.6	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

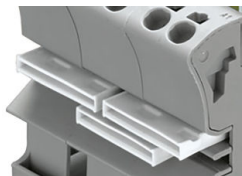
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.

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

Current addresses can be found at: [www.wago.com](https://www.wago.com)