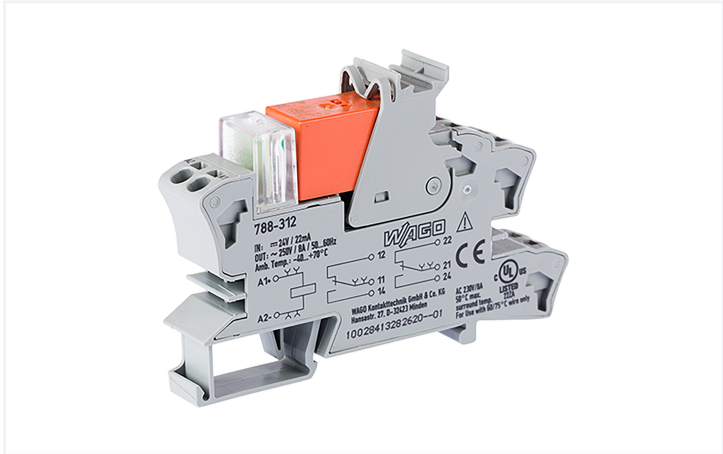


Data Sheet | Item Number: 788-312

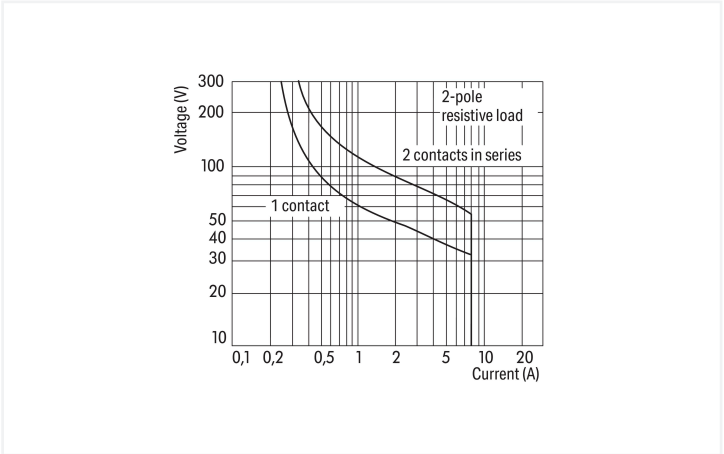
Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

<https://www.wago.com/788-312>

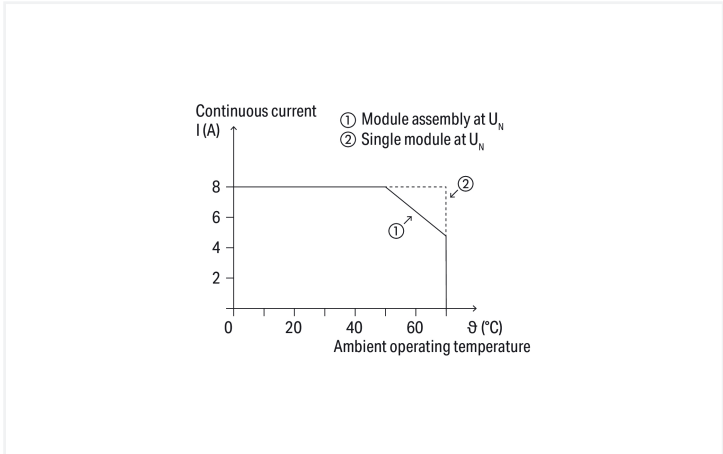


Color: ■ gray

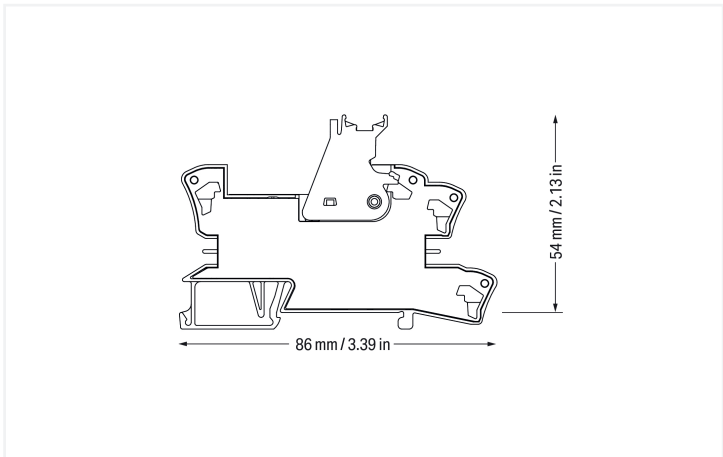
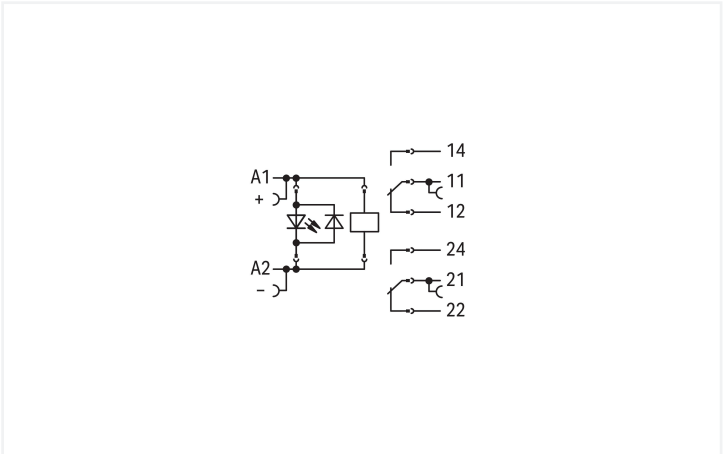
Similar to illustration



DC load limit curve



Current-carrying capacity curve





Notes	
Safety Information	A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements.
Note	Reinforced insulation between coil and contacts To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Technical data	
Control circuit	Load circuit
Nominal input voltage U _N	24 VDC
Input voltage range	±10 %
Nominal input current at U _N	19 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. 250 VAC
	Switching power (resistive) max. AC 2000 VA; DC (see load limit curve)
	Utilization category 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.) 13 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

Signaling	
Status indicator	Red LED

Safety and protection	
Rated Voltage	250 V
Rated impulse withstand 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 exceeding 250 V between adjacent relay modules and to comply with 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		
Note (material data)		Information on material specifications can be found here
Color		gray
Fire load		1.286 MJ
Weight		45.5 g

Environmental requirements		
Ambient temperature (operation at U _N)		-40 ... +70 °C
Ambient temperature UL (operation at U _N)		-40 ... +50 °C
Ambient temperature (storage)		-40 ... +70 °C
Processing temperature		-25 ... +50 °C
Temperature range of connection cable		≥ (T _{ambient} + 20 K)

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

Basic relay		
WAGO Basic Relay		788-156

Commercial data		
Product Group		6 (INTERFACE ELECTRONIC)
PU (SPU)		20 (1) pcs
Packaging type		Box
Country of origin		CN
GTIN		4055143184137
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 7440-43-9
REACH Candidate List Substance	Cadmium Lead
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Austria)	24d2c028-d78a-47d5-854b-7e27c80364cd
SCIP notification number (Belgium)	5ac37397-baae-4e58-a3d3-61435578db9f
SCIP notification number (Bulgaria)	de1cb4da-97c0-4008-9269-da951ab1ef16
SCIP notification number (Czech Republic)	c403f750-ef31-42a4-aad9-12e1c6f4fe05
SCIP notification number (Denmark)	08d49e8e-6e93-4346-8e74-784ca6f59bef
SCIP notification number (Finland)	d1c1e038-ca63-45b9-b8ad-df061b16ed25
SCIP notification number (France)	853c5f70-bd31-4f01-9c72-acb268d802cd
SCIP notification number (Germany)	29efa91e-de52-404a-a3b5-7a02ea50bbb5
SCIP notification number (Hungary)	05ecf633-f69c-4fac-b89c-9c17adcb3af3
SCIP notification number (Italy)	d0c19709-ee3b-4706-ba8a-2fcbb782cda1
SCIP notification number (Netherlands)	d263f759-daa0-4cac-a565-b787a6062566
SCIP notification number (Poland)	252526f9-7a88-4d6b-b7b5-7ba6d6981d94
SCIP notification number (Romania)	d9b9f293-6b25-417a-96e3-84fe7cee93b2
SCIP notification number (Sweden)	522525c4-ff5a-471a-bb93-f6be7d85275a

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19.02.2019

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Instruction Leaflet

Sockets with Elementary Relay/ SSR

V 1.0.1
09.10.2020

pdf

2271.22 KB

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CAD/CAE-Data

CAD data

2D/3D Models 788-312

↓

CAE data

EPLAN Data Portal

788-312

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WSCAD Universe

788-312

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ZUKEN Portal 788-312

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

Current addresses can be found at: www.wago.com

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