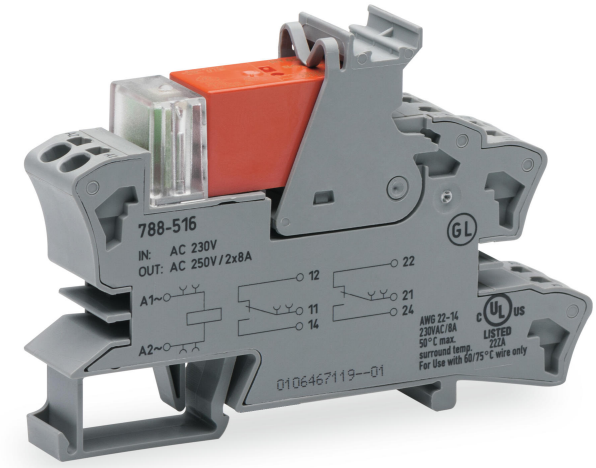
Data sheet | Item number: 788-512

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

www.wago.com/788-512

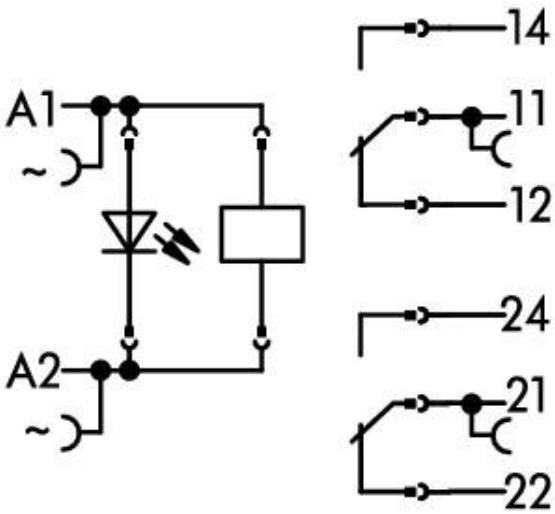


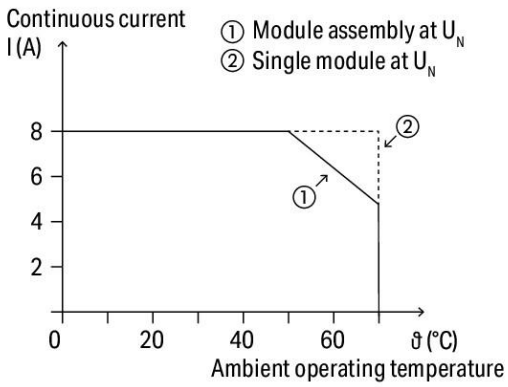
Similiar to picture

RoHS ✓ Compliant

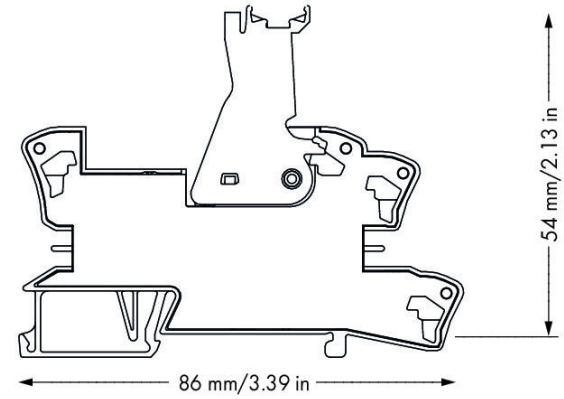
BOMcheck.net

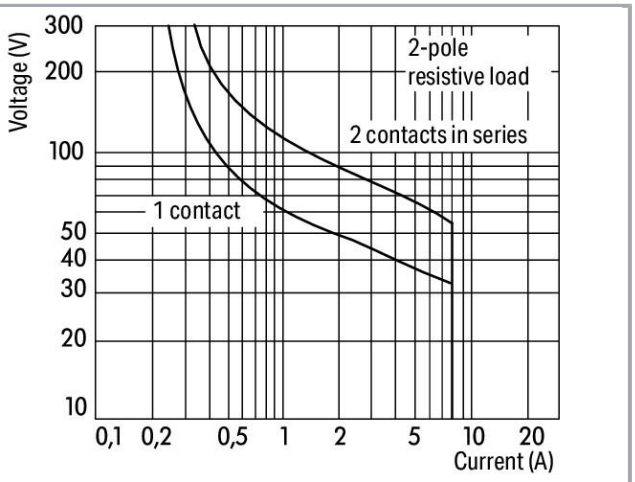
Color:





Current-carrying capacity curve





DC load limit curve

Item description

Note:

- Reinforced insulation between coil and contacts
- 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.
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Data
Technical Data

Control circuit

Nominal input voltage U_N	AC 24 V
Input voltage range	±10 %
Nominal input current at U_N	34 mA

Load circuit:

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi 90/10
Limiting continuous current	8 A
Max. make current (resistive)	(AC) 15 A / 4 s
Max. switching voltage	AC 250 V
Max. switching power (resistive)	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.)	10 ms
Drop-out time (typ.)	35 ms
Bounce time (typ)	10 ms
Electrical life (N.O.; resistive load; 23 °C)	10 x 10^3 switching operations
Mechanical life	30 x 10^6 switching operations
Max. switching load with load/without load	6 min^{-1} / 1200 min^{-1}

Signaling

Status indication	LED red

Safety and protection:

Rated voltage	250 V
Rated impulse 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
Protection class	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 inch

Geometrical Data

Width	15 mm / 0.591 inch
Height from upper-edge of DIN-35 rail	54 mm / 2.126 inch
Depth	86 mm / 3.386 inch

Mechanical data

Type of mounting	DIN-35 rail

Material Data

Color	gray
Fire load	0.869 MJ
Weight	47.7

Environmental Requirements

Surrounding air (operating) temperature at U_N	-40 … 70 °C
Surrounding air (storage) temperature	-40 … 70 °C
Processing temperature	-25 … +50 °C

Standards and specifications

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

Elementary relay

WAGO elementary relay	788-172

Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	CN
GTIN	4045454424145
Customs Tariff No.	85364900990

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statków	-	TE/2186 /880590/18

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.6

Downloads

Documentation

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.0	pdf 2.4 MB	Download

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download

CAD/CAE-Data

CAD data

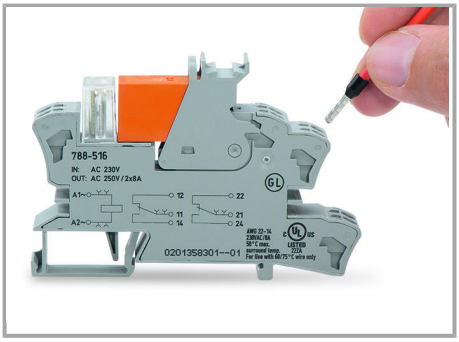
2D/3D Models 788-512	URL	Download

CAE data

EPLAN Data Portal 788-512	Download
WSCAD Universe 788-512	Download

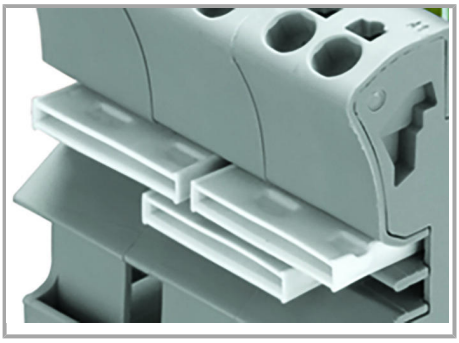
Installation Notes

Inserting a conductor



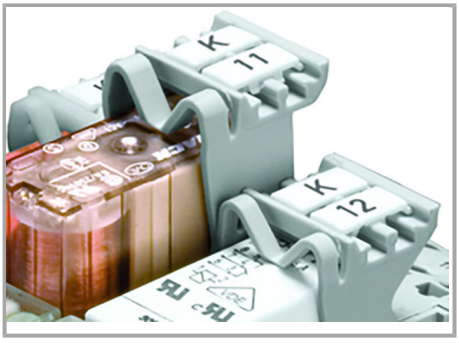
Leiter anschließen

Jumpered



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers

Subject to changes.

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