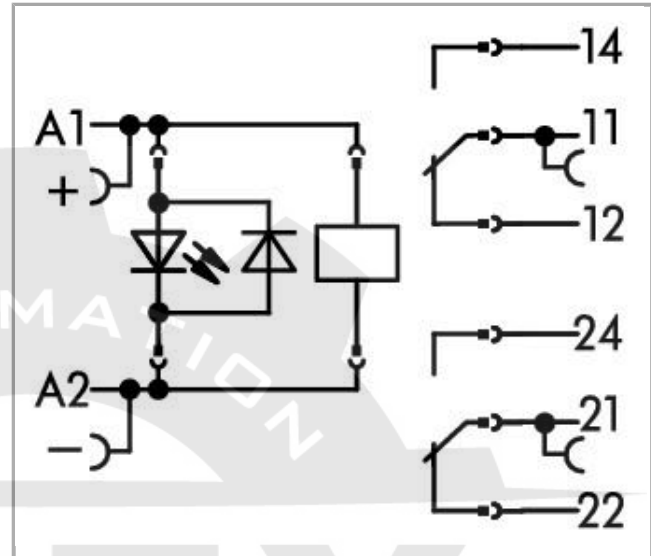
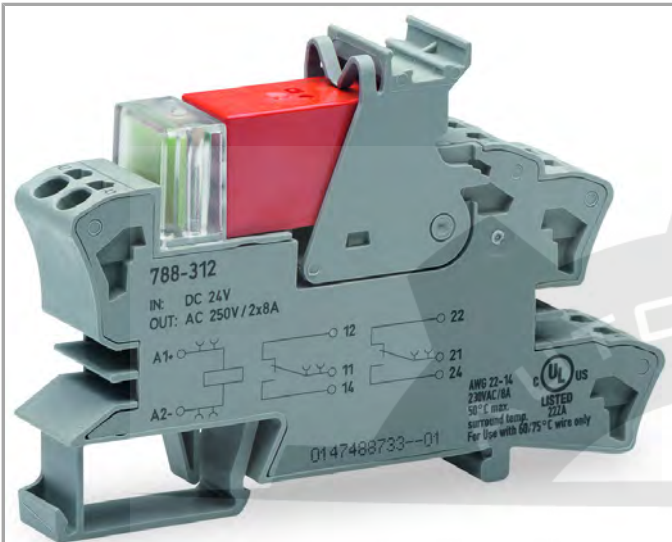


Data sheet | Item number: 788-313

Relay module; Nominal input voltage: 48 VDC; 2 changeover contacts;
Limiting continuous current: 8 A; Red status indicator; Module width: 15 mm



788-313

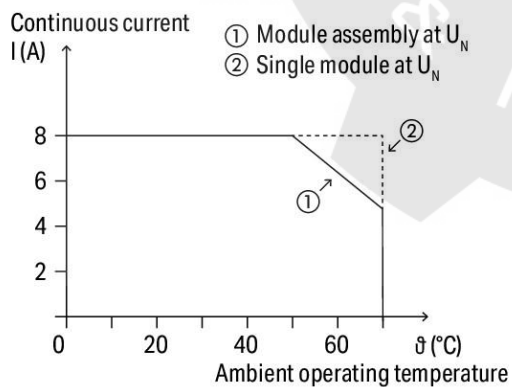


RoHS
Compliant

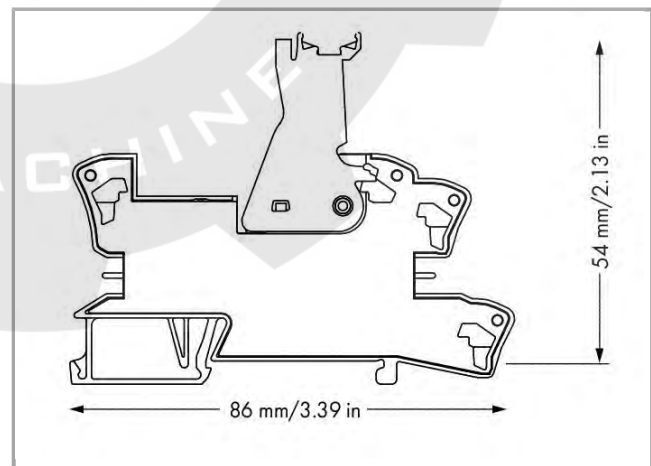
BOMcheck.net

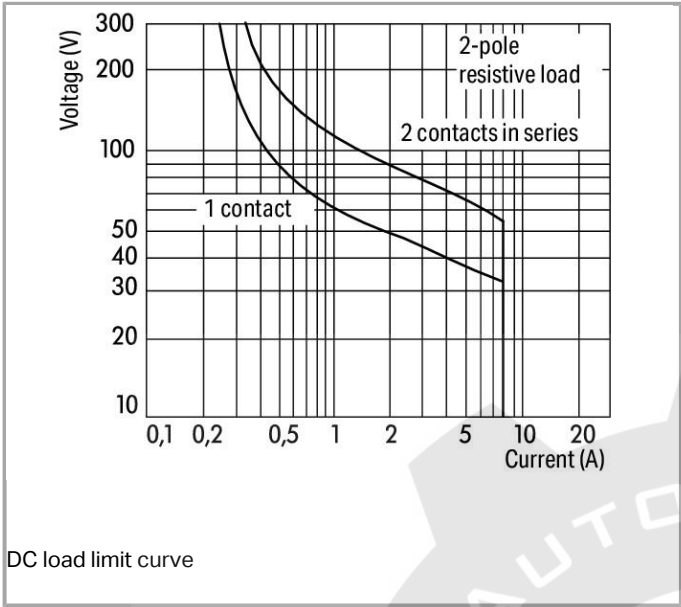
Similar to
picture

Color:



Current-carrying capacity 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	DC 48 V
Input voltage range	$\pm 10\%$
Nominal input current at U_N	11 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 2,000 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
Min. switching current	0 μ A
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ)	10 ms
Drop-out time	$\leq 0 \mu$ s
Electrical life (N.O.; resistive load; 23 °C)	10×10^3 switching operations
Mechanical life (N.O.; resistive load; 23 °C)	30×10^6 switching operations
Max. switching load with load/without load	6 min^{-1} / $1,200 \text{ min}^{-1}$

Signaling

Status indication	LED red
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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
Dielectric strength, load/load circuit (AC, 1 min)	2.5 kVrms
Protection class	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 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
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Material Data

Color	gray
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Fire load	0 MJ
Weight	45.627 g

Environmental Requirements

Pollution degree	3
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; UL 508
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Elementary relay

WAGO elementary relay	788-160
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Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454550370
Customs Tariff No.	85364900990

Approvals / Certificates

UL-Approvals

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

Compatible products

General accessories

	Item no.: 209-145 Group marker carrier	209-145
	Item no.: 209-184 Protection cover	209-184

	Item no.: 249-105 Group marker carrier	249-105
	Item no.: 788-121 Accessories for relay modules; Operation status indicator: red	788-121
	Item no.: 788-160 Basic relay; Nominal input voltage: 48 VDC; 2 changeover contacts; Limiting continuous current: 8 A; Module width: 13 mm; Module height: 15 mm	788-160
tools		
	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
Marking accessories		
	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type	2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-002
	Item no.: 2009-115/000-006 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-006
	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-007
	Item no.: 2009-115/000-012 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-012
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-017
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-115 /000-023
	Item no.: 209-128 Adaptor	209-128
	Item no.: 209-183 Marker card	209-183
	Item no.: 210-110 Fiber-tip pen	210-110
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type	793-501

**Item no.: 793-501/000-002**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-002

793-501

**Item no.: 793-501/000-005**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-005

793-501

**Item no.: 793-501/000-006**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-006

793-501

**Item no.: 793-501/000-007**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-007

793-501

**Item no.: 793-501/000-012**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-012

793-501

**Item no.: 793-501/000-017**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-017

793-501

**Item no.: 793-501/000-023**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-023

793-501

**Item no.: 793-501/000-024**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-024

793-501

**Item no.: 793-502**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

793-502

**Item no.: 793-502/000-002**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-002

793-502

**Item no.: 793-502/000-005**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-005

793-502

**Item no.: 793-502/000-006**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-006

793-502

**Item no.: 793-502/000-007**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-007

793-502

**Item no.: 793-502/000-012**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-012

793-502

**Item no.: 793-502/000-017**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type

/000-017

793-502

**Item no.: 793-502/000-023**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /0000-023

793-502

**Item no.: 793-502/000-024**

WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type /0000-024

793-502

**Item no.: 793-503**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type

793-503

**Item no.: 793-503/000-002**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-002

793-503

**Item no.: 793-503/000-005**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-005

793-503

**Item no.: 793-503/000-006**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-006

793-503

**Item no.: 793-503/000-007**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-007

793-503

**Item no.: 793-503/000-012**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-012

793-503

**Item no.: 793-503/000-017**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-017

793-503

**Item no.: 793-503/000-023**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-023

793-503

**Item no.: 793-503/000-024**

WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type /0000-024

793-503

**Item no.: 793-504**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type

793-504

**Item no.: 793-504/000-002**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-002

793-504

**Item no.: 793-504/000-005**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-005

793-504

**Item no.: 793-504/000-006**

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-006

793-504

**Item no.: 793-504/000-012**

793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-012

**Item no.: 793-504/000-017**

793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-017

**Item no.: 793-504/000-023**

793-504

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type /0000-023

**Item no.: 793-505**

793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type

**Item no.: 793-505/000-005**

793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /0000-005

**Item no.: 793-505/000-006**

793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /0000-006

**Item no.: 793-505/000-007**

793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /0000-007

**Item no.: 793-505/000-012**

793-505

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type /0000-012

**Item no.: 793-506**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type

**Item no.: 793-506/000-005**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /0000-005

**Item no.: 793-506/000-006**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /0000-006

**Item no.: 793-506/000-012**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /0000-012

**Item no.: 793-506/000-017**

793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type /0000-017

**Item no.: 793-5501**

793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

**Item no.: 793-5501/000-002**

793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type /0000-002

**Item no.: 793-5501/000-005**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-005

793-5501

**Item no.: 793-5501/000-006**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-006

793-5501

**Item no.: 793-5501/000-007**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-007

793-5501

**Item no.: 793-5501/000-012**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-012

793-5501

**Item no.: 793-5501/000-014**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-014

793-5501

**Item no.: 793-5501/000-017**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-017

793-5501

**Item no.: 793-5501/000-023**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-023

793-5501

**Item no.: 793-5501/000-024**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-024

793-5501

**Item no.: 793-566**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

793-566

**Item no.: 793-566/000-002**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-002

793-566

**Item no.: 793-566/000-005**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-005

793-566

**Item no.: 793-566/000-006**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-006

793-566

**Item no.: 793-566/000-007**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-007

793-566

**Item no.: 793-566/000-012**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-012

793-566

**Item no.: 793-566/000-017**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-017

793-566

**Item no.: 793-566/000-023**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-023

793-566

**Item no.: 793-566/000-024**

WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type

/000-024

793-566

Jumper**Item no.: 788-113**

Comb-style jumper bar; 2-way; insulated

788-113

**Item no.: 788-114**

Comb-style jumper bar; 3-way; insulated

788-114

**Item no.: 788-115**

Comb-style jumper bar; 4-way; insulated

788-115

**Item no.: 788-116**

Comb-style jumper bar; 6-way; insulated

788-116

**Item no.: 788-117**

Comb-style jumper bar; 8-way; insulated

788-117

**Item no.: 788-118**

Comb-style jumper bar; 2-way (1-3); insulated

788-118

**Item no.: 859-402**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

859-402

**Item no.: 859-402/000-005**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

/000-005

859-402

**Item no.: 859-402/000-006**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

/000-006

859-402

**Item no.: 859-402/000-029**

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated

/000-029

859-402

ferrule**Item no.: 216-241**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-241

**Item no.: 216-242**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-242

**Item no.: 216-243**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-243

**Item no.: 216-244**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-244

Item no.: 216-542Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long

216-542



Downloads Documentation

Bid Text

788-313	Apr 4, 2012	doc	Download
Relaisbaustein		27.6 kB	

Instruction Leaflet

Socket with Relay or SSR		pdf	Download
		2.1 MB	

Additional Information

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

CAD/CAE - Smart Data

CAD data

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Subject to changes.