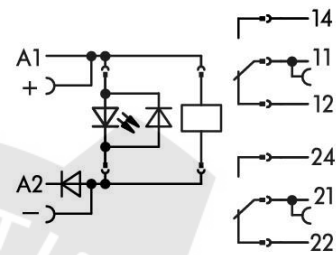
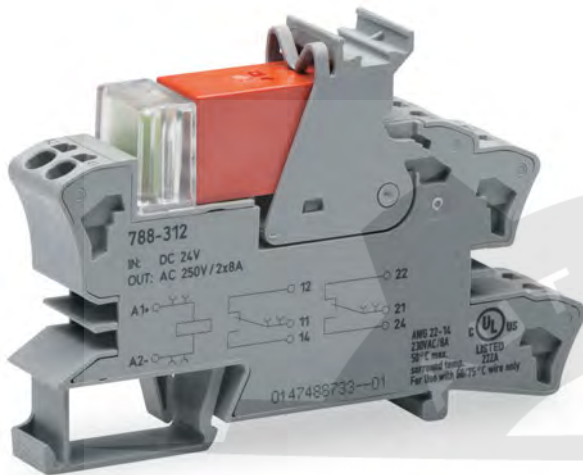


Data sheet | Item number: 788-312/003-000

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



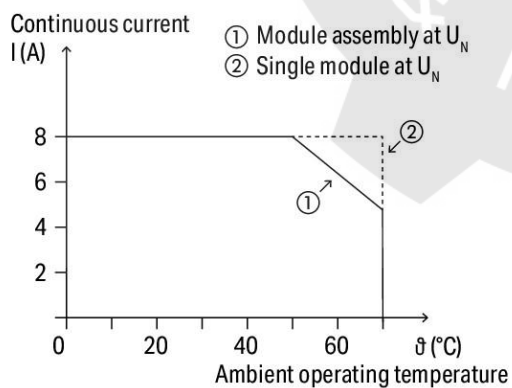
788-312_003-000



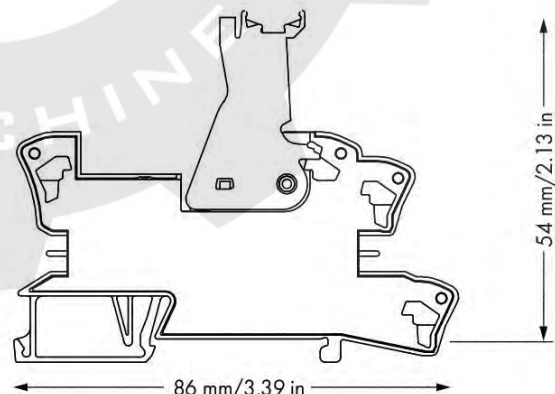
Similar to picture

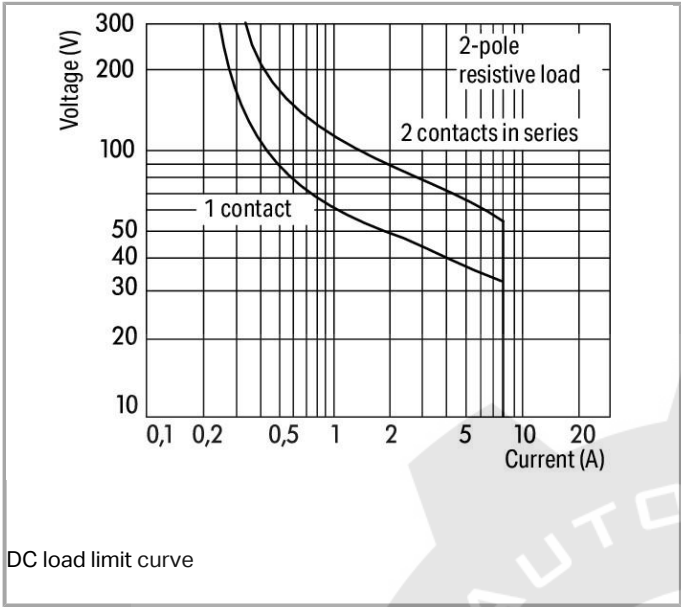
RoHS
Compliant

BOMcheck.net



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	DC 24 V
Input voltage range	-25 +30 %
Nominal input current at U_N	19 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.)	7 ms
Drop-out time (typ.)	2 ms
Bounce time (typ)	3 ms
Electrical life (N.O.; resistive load; 23 °C)	1 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
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
------------------	-------------

Material Data

Fire load	1.36 MJ
Weight	46.191 g

Environmental Requirements

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

Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454606930
Customs Tariff No.	85364900990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS Polski Rejestr Statkow	-	TE/1989 /880590/13

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

Compatible products

Marking accessories

	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type; white		2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white		2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	/000-002	2009-115
	Item no.: 2009-115/000-006 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; blue	/000-006	2009-115
	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; gray	/000-007	2009-115
	Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; orange	/000-012	2009-115
	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; light green	/000-017	2009-115
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; green	/000-023	2009-115
	Item no.: 209-128 Adaptor		209-128
	Item no.: 209-183 Marker card; white		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; white

793-501

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

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

/000-002

793-501

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

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

/000-005

793-501

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

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

/000-006

793-501

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

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

/000-007

793-501

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

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

/000-012

793-501

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

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

/000-017

793-501

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

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

/000-023

793-501

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

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

/000-024

793-501

**Item no.: 793-502**

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

793-502

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

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

/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; white

/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; white

/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; white

/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; white

/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; 793-502-017
white

793-502

**Item no.: 793-502/000-023**WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; 793-502-023
white

793-502

**Item no.: 793-502/000-024**WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; 793-502-024
white

793-502

**Item no.: 793-503**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503
white

793-503

**Item no.: 793-503/000-002**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-002
white

793-503

**Item no.: 793-503/000-005**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-005
white

793-503

**Item no.: 793-503/000-006**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-006
white

793-503

**Item no.: 793-503/000-007**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-007
white

793-503

**Item no.: 793-503/000-012**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-012
white

793-503

**Item no.: 793-503/000-017**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-017
white

793-503

**Item no.: 793-503/000-023**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-023
white

793-503

**Item no.: 793-503/000-024**WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; 793-503-024
white

793-503

**Item no.: 793-504**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504
white

793-504

**Item no.: 793-504/000-002**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504-002
white

793-504

**Item no.: 793-504/000-005**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504-005
white

793-504

**Item no.: 793-504/000-006**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504
white

793-504

**Item no.: 793-504/000-012**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504
white

793-504

**Item no.: 793-504/000-017**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504
white

793-504

**Item no.: 793-504/000-023**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; 793-504
white

793-504

**Item no.: 793-505**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; 793-505
white

793-505

**Item no.: 793-505/000-005**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; 793-505
white

793-505

**Item no.: 793-505/000-006**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; 793-505
white

793-505

**Item no.: 793-505/000-007**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; 793-505
white

793-505

**Item no.: 793-505/000-012**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; 793-505
white

793-505

**Item no.: 793-506**WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; 793-506
white

793-506

**Item no.: 793-506/000-005**WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; 793-506
white

793-506

**Item no.: 793-506/000-006**WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; 793-506
white

793-506

**Item no.: 793-506/000-012**WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; 793-506
white

793-506

**Item no.: 793-506/000-017**WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; 793-506
white

793-506

**Item no.: 793-5501**

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

793-5501

**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; yellow

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

793-5501

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

/000-005

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

793-5501

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

/000-006

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

793-5501

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

/000-007

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

793-5501

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

/000-012

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

793-5501

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

/000-014

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

793-5501

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

/000-017

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

793-5501

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

/000-023

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

793-5501

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

/000-024

**Item no.: 793-566**

793-566

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

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

793-566

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

/000-002

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

793-566

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

/000-005

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

793-566

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

/000-006

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

793-566

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

/000-007

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

793-566

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

/000-012

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

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

/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; white

/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; white

/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; light gray

859-402

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

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

/000-005

859-402

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

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

/000-006

859-402

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

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

/000-029

859-402

General accessories**Item no.: 209-145**

Group marker carrier

209-145

**Item no.: 209-184**

Protection cover; transparent

209-184

**Item no.: 249-105**

Group marker carrier

249-105

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; white	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; gray	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; red	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; black	216-244
---	--	---------

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

tools

	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	210-720
---	---	---------

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
--	---------	-----------------	----------