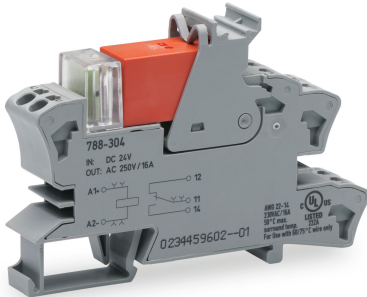


Data sheet | Item number: 788-303

Relay module; Nominal input voltage: 12 VDC; 1 changeover contact;
Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

www.wago.com/788-303



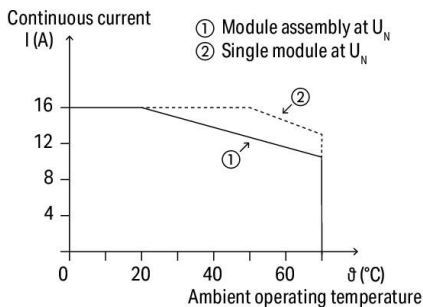
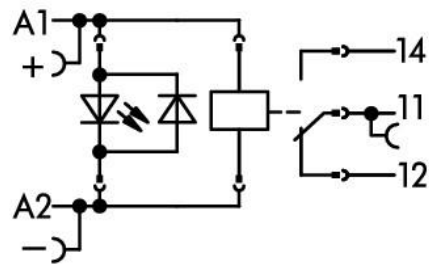
 Picture differs from the item.

RoHS  Compliant

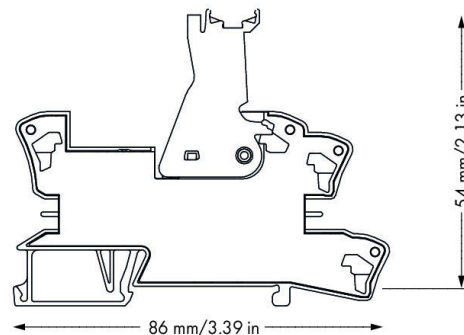
[BOMcheck.net](https://www.bomcheck.net)

Similar to
picture

Color: 



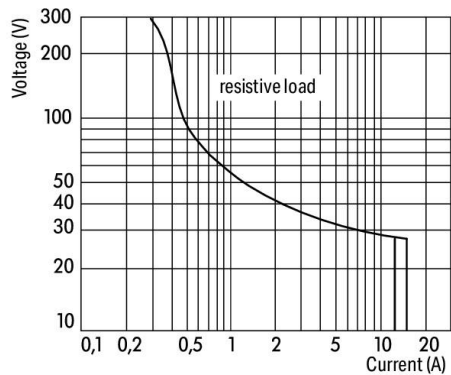
Current-carrying capacity curve



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

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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 12 V
Input voltage range	$\pm 10\%$
Nominal input current at U_N	36 mA

Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	16 A

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

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Inrush current (resistive) (max.)	(AC) 30 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) (max.)	AC 4000 VA; DC (see load limit curve)
Switching capacity	AC-15: 6 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.)	6 ms
Bounce time (typ.)	6 ms
Electrical life (NO; resistive load; 23 °C)	30 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
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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
Protection type	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

Physical data

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

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

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Mechanical data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Color	gray
Fire load	0.67 MJ
Weight	45.9 g

Environmental requirements

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

Standards and specifications

Standards/Specifications	EN 61010-2-201; EN 61810-1; EN 61373; UL 508 (max. 10 A)
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Basic relay

WAGO Basic Relay	788-150
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Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	CN
GTIN	4055143184106
Customs tariff number	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

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

Compatible products

ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
	Item no.: 216-542 Twin ferrule; Sleeve for 2 x 1 mm ² / AWG 2 x 18; red, insulated; 12 mm long; red	www.wago.com/216-542

tools

	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720
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Marking accessories

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 209-128 Adaptor; gray	www.wago.com/209-128
	Item no.: 209-183 Marker card; white	www.wago.com/209-183
	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
	Item no.: 249-105 Group marker carrier; gray	www.wago.com/249-105
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-502
	Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-503

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

**Item no.: 793-504**WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-504
white**Item no.: 793-505**WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; www.wago.com/793-505
white**Jumper****Item no.: 788-113**

Jumper; for jumper slot; 2-way; insulated

www.wago.com/788-113**Item no.: 788-114**

Jumper; for jumper slot; 3-way; insulated

www.wago.com/788-114**Item no.: 788-115**

Jumper; for jumper slot; 4-way; insulated

www.wago.com/788-115**Item no.: 788-116**

Jumper; for jumper slot; 6-way; insulated

www.wago.com/788-116**Item no.: 788-117**

Jumper; for jumper slot; 8-way; insulated

www.wago.com/788-117**Item no.: 788-118**

Jumper; for jumper slot; from 1 to 3; insulated

www.wago.com/788-118**Item no.: 859-402**

Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402**General accessories****Item no.: 209-145**

Group marker carrier; white

www.wago.com/209-145**Item no.: 209-184**

Protection cover; transparent

www.wago.com/209-184**Item no.: 788-120**

Accessories for relay modules; Operation status indicator: red

www.wago.com/788-120**Item no.: 788-150**Basic relay; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 16 A; www.wago.com/788-150
Module width: 13 mm; Module height: 15 mm**Downloads****Documentation****Bid Text**

788-303	2019 Jan 25	docx	Download
docx - Datei		16.7 kB	

788-303

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

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Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 2020 Oct 9	pdf 2.3 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 788-303	URL	Download
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CAE data

EPLAN Data Portal 788-303	URL	Download
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WSCAD Universe 788-303	URL	Download
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ZUKEN Portal 788-303	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-303	URL	Download
Relay module; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm ² ; gray		

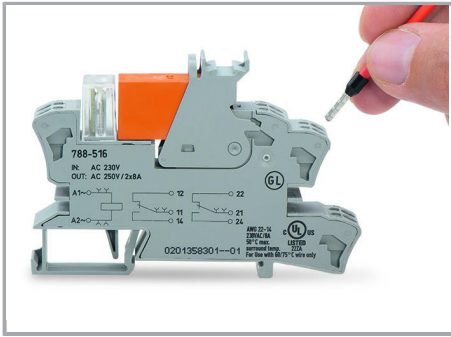
Installation Notes

Conductor termination

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

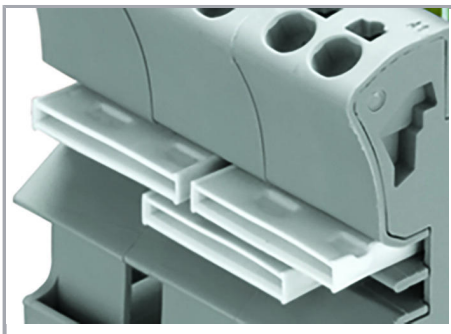
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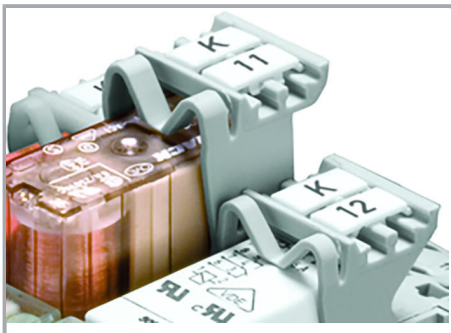
Connection of conductor

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!