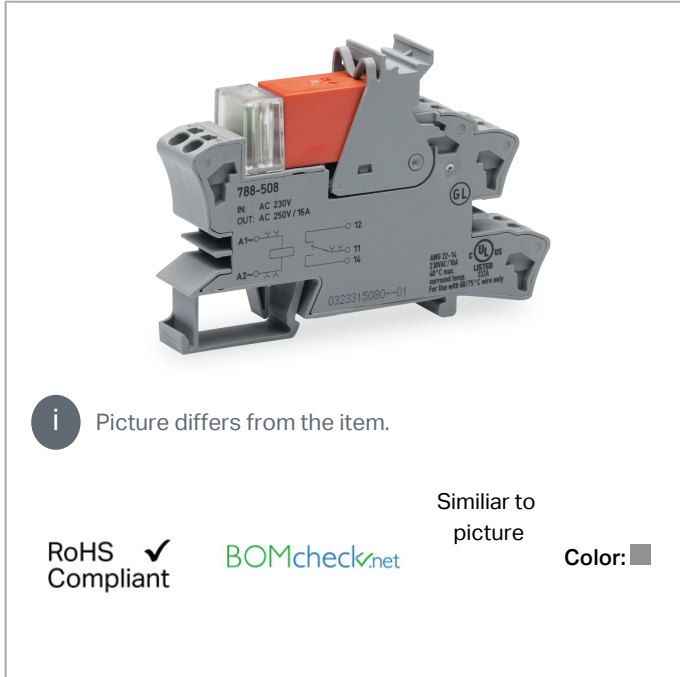


Data sheet | Item number: 788-506

Relay module; Nominal input voltage: 24 VAC; 1 changeover contact;
Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

www.wago.com/788-506



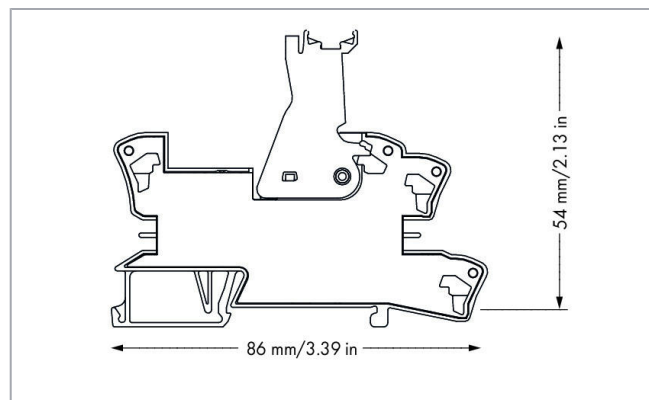
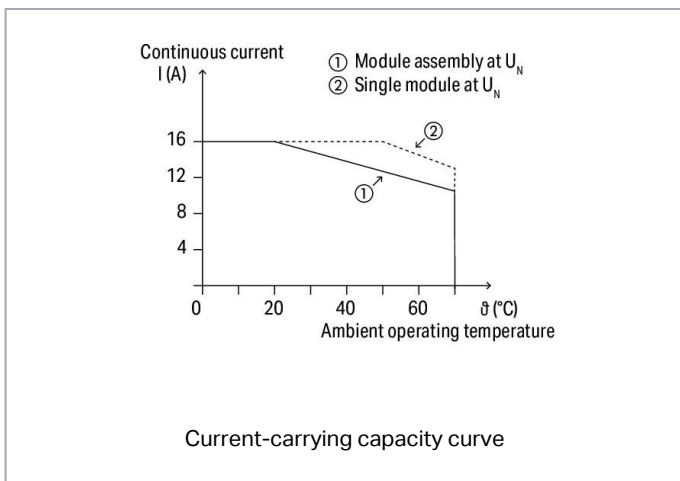
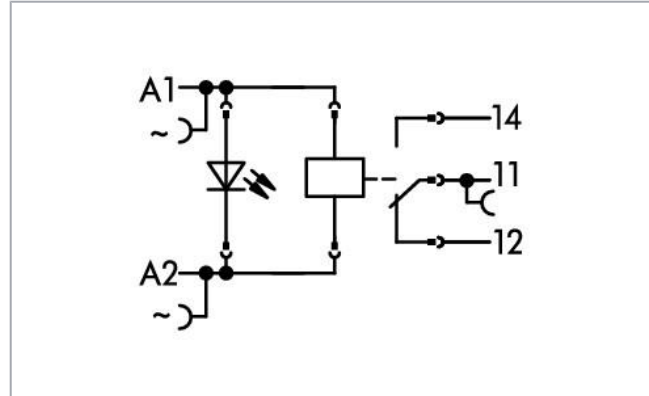
i Picture differs from the item.

Similar to picture

RoHS Compliant ✓

BOMcheck.net

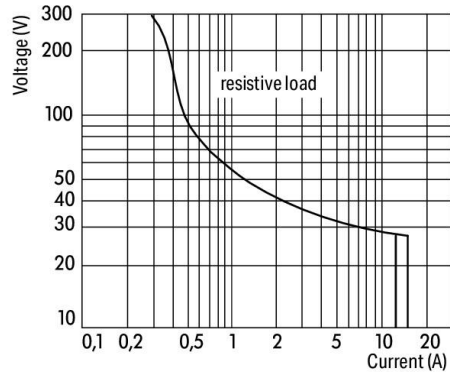
Color: ■



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	AC 24 V
Input voltage range	$\pm 10\%$
Nominal input current at U_N	34 mA

Load circuit

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

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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.)	10 ms
Drop-out time (typ.)	35 ms
Bounce time (typ.)	6 ms
Electrical life (NO; resistive load; 23 °C)	30 x 10 ³ switching operations
Mechanical life	5 x 10 ⁶ switching operations
Switching frequency with/without load (max.)	6 min ⁻¹ / 600 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

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Mechanical data

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

Material data

Color	gray
Fire load	0.666 MJ
Weight	46.4 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
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Basic relay


WAGO Basic Relay	788-170
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Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4045454424121
Customs tariff number	85364900990

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	NK	-	TA17255M

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




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TE/2186
/880590/18

UL-Approvals


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

Compatible products

Jumper

	<p>Item no.: 788-113 Jumper; for jumper slot; 2-way; insulated</p>	www.wago.com/788-113
	<p>Item no.: 788-114 Jumper; for jumper slot; 3-way; insulated</p>	www.wago.com/788-114
	<p>Item no.: 788-115 Jumper; for jumper slot; 4-way; insulated</p>	www.wago.com/788-115
	<p>Item no.: 788-116 Jumper; for jumper slot; 6-way; insulated</p>	www.wago.com/788-116
	<p>Item no.: 788-117 Jumper; for jumper slot; 8-way; insulated</p>	www.wago.com/788-117
	<p>Item no.: 788-118 Jumper; for jumper slot; from 1 to 3; insulated</p>	www.wago.com/788-118
	<p>Item no.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray</p>	www.wago.com/859-402

















tools

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

	<p>Item no.: 209-145 Group marker carrier; white</p>	www.wago.com/209-145
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Subject to changes. Please also observe the further product documentation!

	Item no.: 209-184 Protection cover; transparent	www.wago.com/209-184
	Item no.: 788-123 Accessories for relay modules; Operation status indicator: red	www.wago.com/788-123
	Item no.: 788-148 Filter module; RC filter element; Nominal voltage: 230 VAC	www.wago.com/788-148
	Item no.: 788-170 Basic relay; Nominal input voltage: 24 VAC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm	www.wago.com/788-170
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
	Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-504
	Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-505
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	

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

	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

Downloads

Documentation

Bid Text

788-506 docx - Datei	2019 Jan 25	docx 16.7 kB	Download
788-506 X81 - Datei	2019 Feb 19	xml 4.7 kB	Download

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 788-506	URL	Download
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CAE data

WSCAD Universe 788-506	URL	Download
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ZUKEN Portal 788-506	URL	Download
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EPLAN Data Portal 788-506

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-506

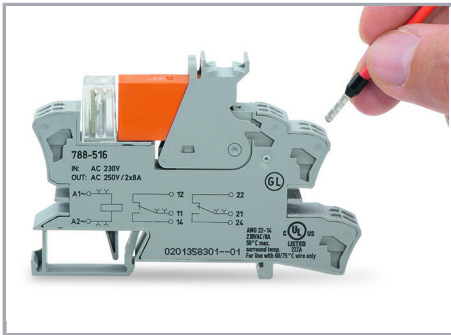
[URL](#)

[Download](#)

Relay module; Nominal input voltage: 24 VAC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm²; gray

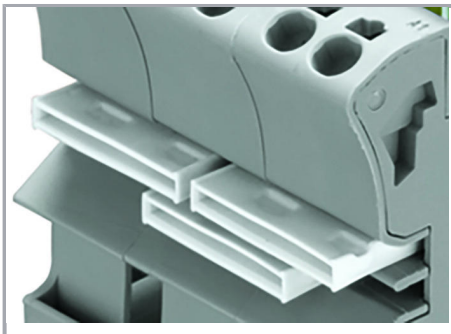
Installation Notes

Conductor termination



Connection of conductor

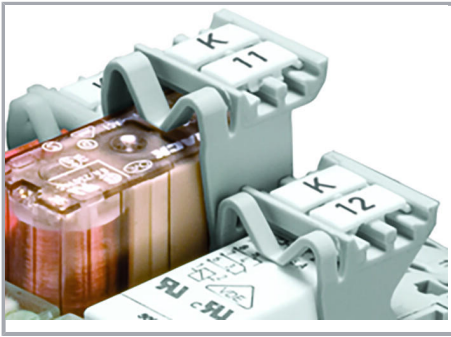
Commoning



Easy commoning using adjacent jumpers

Marking

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



Marking using WMB Multi markers and group marker carriers

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