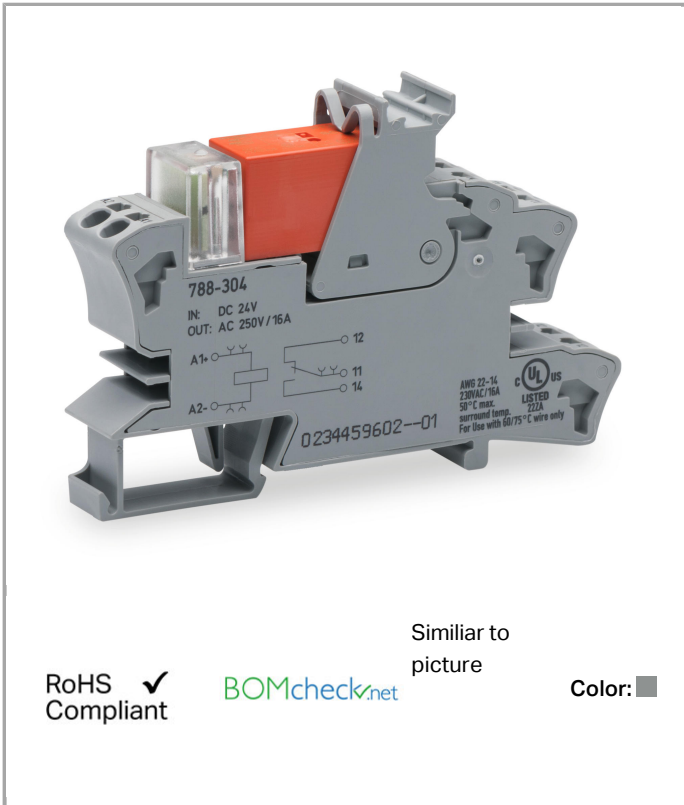


Data sheet | Item number: 788-305

Relay module; Nominal input voltage: 48 VDC; 1 changeover contact;
Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm



www.wago.com/788-305

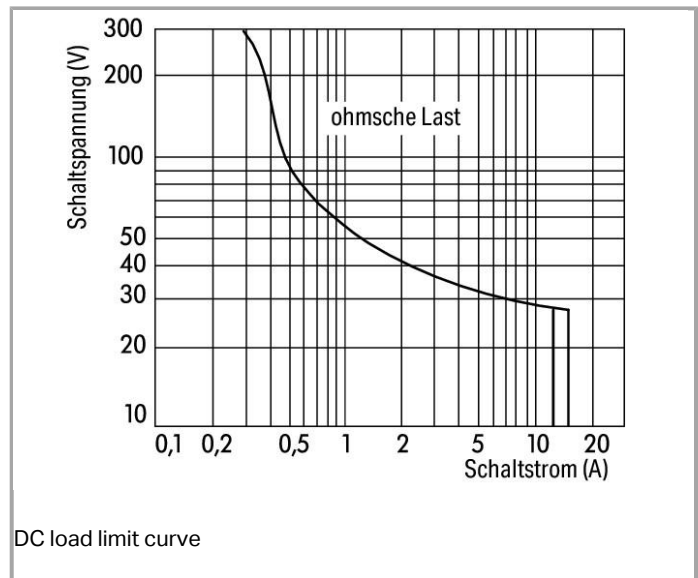
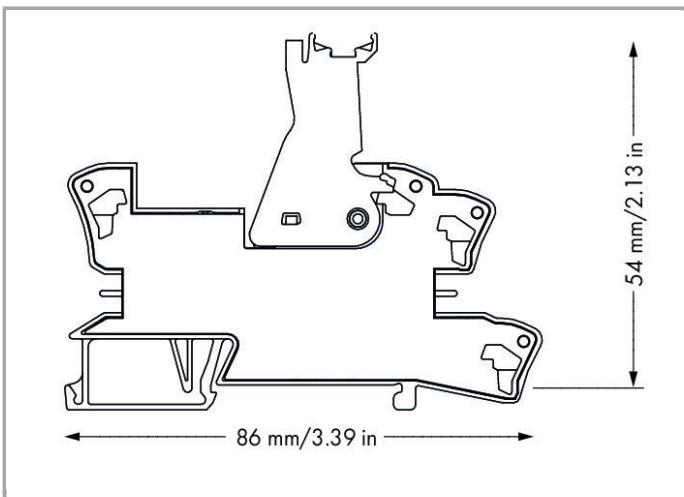
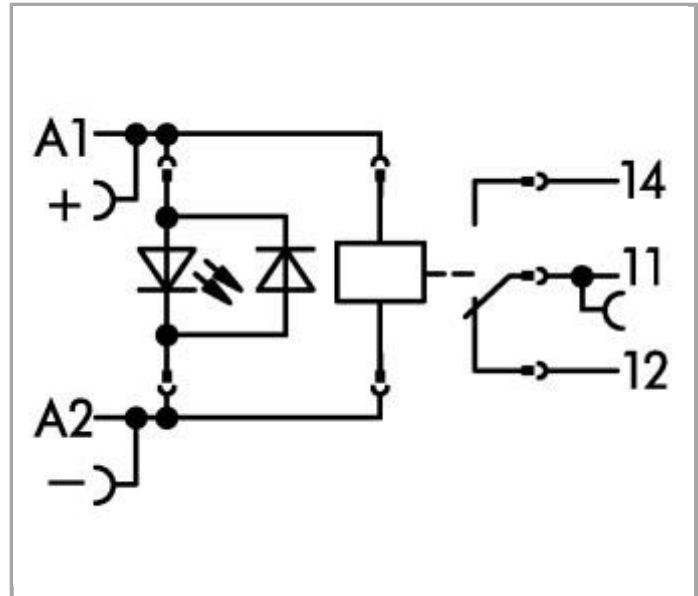


Similar to picture

RoHS Compliant

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

Color: ■



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	48 VDC
Input voltage range	$\pm 10\%$
Nominal input current at U_N	11 mA

Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	16 A
Max. make current (resistive)	4 s 30 A (AC)
Max. switching voltage	250 VAC
Max. switching power (resistive)	4000 VAAC; DC see load limit curve
Switching capacity	AC-15: 6 A / 250 VAC; DC-13: 2 A / 24 VDC
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 (N.O.; resistive load; 23 °C)	30×10^3 switching operations
Mechanical life (N.O.; resistive load; 23 °C)	30×10^6 switching operations
Max. switching load with load/without load	$6 \text{ min}^{-1} / 1200 \text{ min}^{-1}$

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)	$5 \text{ kV}_{\text{rms}}$
Dielectric strength, control/load circuit (AC, 1 min)	$5 \text{ kV}_{\text{rms}}$



Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Degree of protection	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

Color	gray
Weight	45.9 g

Environmental Requirements

Surrounding air (operating) temperature at U _N	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 70 °C
Pollution degree	3

Standards and specifications

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

Elementary relay

WAGO elementary relay	788-158
-----------------------	---------

Commercial data


Country of origin	DE
GTIN	4045454550356
Customs Tariff No.	85364900990

Product Group

6 (Interface Electronics)






Approvals / Certificates

UL-Approvals






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

Compatible products

Jumper

















	Item no.: 788-118 Comb-style jumper bar; 2-way (1-3); insulated	www.wago.com/788-118
	Item no.: 859-402 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	www.wago.com/859-402
	Item no.: 859-402/000-005 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	www.wago.com/859-402/000-005
	Item no.: 859-402/000-006 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	www.wago.com/859-402/000-006
	Item no.: 859-402/000-029 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	www.wago.com/859-402/000-029
















ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	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	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	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	www.wago.com/216-542

General accessories

	Item no.: 209-145 Group marker carrier	www.wago.com/209-145
	Item no.: 209-184	

	Protection cover	www.wago.com/209-184
	Item no.: 249-105 Group marker carrier	www.wago.com/249-105
	Item no.: 788-121 Accessories for relay modules; Operation status indicator: red	www.wago.com/788-121
	Item no.: 788-158 Basic relay; Nominal input voltage: 48 VDC; 1 changeover contact; Limiting continuous current: 16 A; Module width: 13 mm; Module height: 15 mm	www.wago.com/788-158
tools		
	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	www.wago.com/210-720
Marking accessories		
	Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type	www.wago.com/2009-110
	Item no.: 2009-115 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/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	www.wago.com/2009-115/000-006
	Item no.: 2009-115/000-007 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/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	www.wago.com/2009-115/000-012
	Item no.: 2009-115/000-017 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-017
	Item no.: 2009-115/000-023 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	www.wago.com/2009-115/000-023
	Item no.: 209-128 Adaptor	www.wago.com/209-128
	Item no.: 209-183 Marker card	www.wago.com/209-183
	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110

	<p>Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501
	<p>Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-002
	<p>Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-005
	<p>Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-006
	<p>Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-007
	<p>Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-012
	<p>Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-017
	<p>Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-023
	<p>Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type</p>	www.wago.com/793-501/000-024
	<p>Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502
	<p>Item no.: 793-502/000-002 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502/000-002
	<p>Item no.: 793-502/000-005 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502/000-005
	<p>Item no.: 793-502/000-006 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502/000-006
	<p>Item no.: 793-502/000-007 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502/000-007
	<p>Item no.: 793-502/000-012 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type</p>	www.wago.com/793-502/000-012



Item no.: 793-502/000-017

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

www.wago.com/793-502/000-017



Item no.: 793-502/000-023

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

www.wago.com/793-502/000-023



Item no.: 793-502/000-024

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

www.wago.com/793-502/000-024



Item no.: 793-503

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

www.wago.com/793-503



Item no.: 793-503/000-002

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

www.wago.com/793-503/000-002



Item no.: 793-503/000-005

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

www.wago.com/793-503/000-005



Item no.: 793-503/000-006

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

www.wago.com/793-503/000-006



Item no.: 793-503/000-007

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

www.wago.com/793-503/000-007



Item no.: 793-503/000-012

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

www.wago.com/793-503/000-012



Item no.: 793-503/000-017

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

www.wago.com/793-503/000-017



Item no.: 793-503/000-023

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

www.wago.com/793-503/000-023



Item no.: 793-503/000-024

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

www.wago.com/793-503/000-024



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



Item no.: 793-504/000-002

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

www.wago.com/793-504/000-002



Item no.: 793-504/000-005

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

www.wago.com/793-504/000-005



Item no.: 793-504/000-006

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-504/000-006



Item no.: 793-504/000-012

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-504/000-012



Item no.: 793-504/000-017

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-504/000-017



Item no.: 793-504/000-023

WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-504/000-023



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



Item no.: 793-505/000-005

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-505/000-005



Item no.: 793-505/000-006

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-505/000-006



Item no.: 793-505/000-007

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-505/000-007



Item no.: 793-505/000-012

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-505/000-012



Item no.: 793-506

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-506



Item no.: 793-506/000-005

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-506/000-005



Item no.: 793-506/000-006

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-506/000-006



Item no.: 793-506/000-012

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-506/000-012



Item no.: 793-506/000-017

WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-506/000-017



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 www.wago.com/793-5501

Item no.: 793-5501/000-002



WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-002



Item no.: 793-5501/000-005
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-005



Item no.: 793-5501/000-006
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-006



Item no.: 793-5501/000-007
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-007



Item no.: 793-5501/000-012
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-012



Item no.: 793-5501/000-014
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-014



Item no.: 793-5501/000-017
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-017



Item no.: 793-5501/000-023
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-023



Item no.: 793-5501/000-024
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type www.wago.com/793-5501/000-024



Item no.: 793-566
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566



Item no.: 793-566/000-002
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566/000-002



Item no.: 793-566/000-005
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566/000-005



Item no.: 793-566/000-006
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566/000-006



Item no.: 793-566/000-007
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566/000-007



Item no.: 793-566/000-012
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/793-566/000-012



Item no.: 793-566/000-017

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

www.wago.com/793-566/000-017



Item no.: 793-566/000-023

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

www.wago.com/793-566/000-023



Item no.: 793-566/000-024

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

www.wago.com/793-566/000-024

Downloads

Documentation

Bid Text

788-305 Relaisbaustein	Jan 15, 2016	DOC 27.6 kB	Download
---------------------------	--------------	----------------	----------

Instruction Leaflet

Socket with Relay or SSR	Sep 28, 2015	PDF 2.1 MB	Download
--------------------------	--------------	---------------	----------

Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018	265.8 kB	Download
--	--------------	----------	----------

smartDATA

CAD data

3D Download 788-305		URL	Download
---------------------	--	-----	----------

Subject to changes.