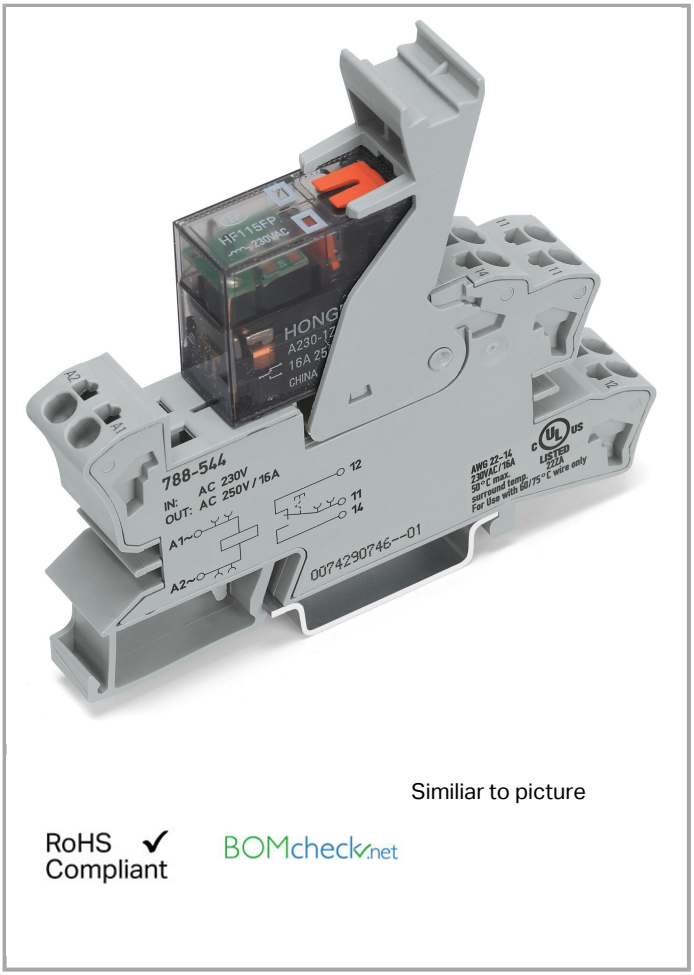
Data sheet | Item number: 788-543

Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; Limiting continuous current: 16 A; with manual operation; Red status indicator; Module width: 15 mm

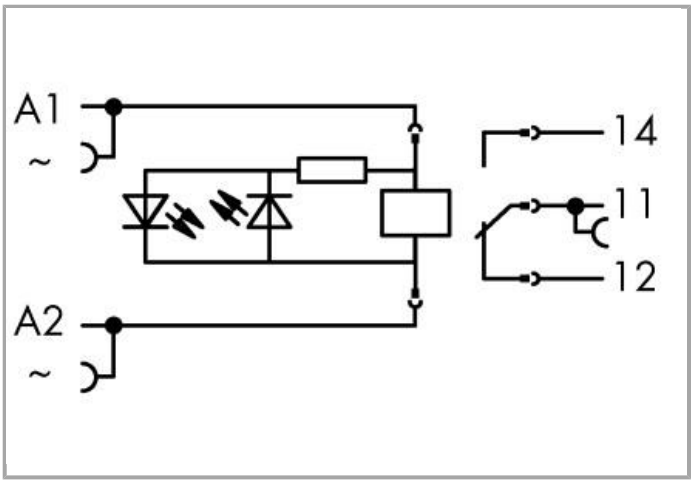
www.wago.com/788-543

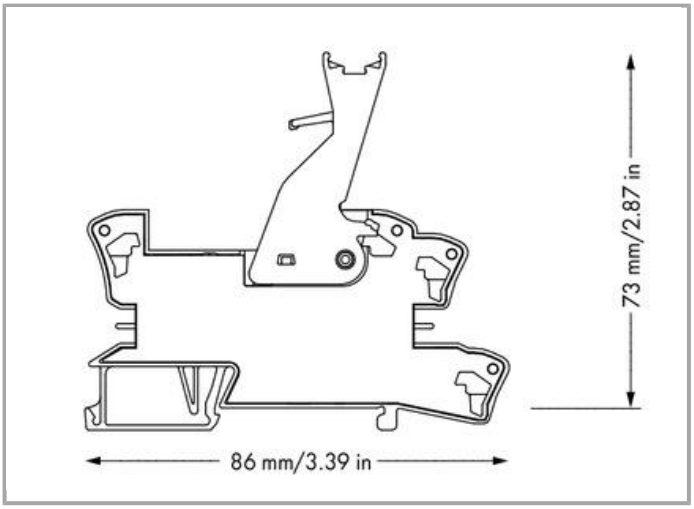


Similiar to picture

RoHS ✓ Compliant

BOMcheck.net





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	115 VAC
Input voltage range	±10 %
Nominal input current at U_N	6.6 mA

Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi
Limiting continuous current	16 A
Max. make current (resistive)	24 A (AC)
Max. switching voltage	250 VAC
Max. switching power (resistive)	4000 VAAC; DC see load limit curve
Switching capacity	AC-15: 3 A / 240 VAC; DC-13: 2 A / 24 VDC
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	8 ms
Bounce time (typ)	6 ms
Electrical life (N.O.; resistive load; 23 °C)	10 x 10^3 switching operations
Mechanical life (N.O.; resistive load; 23 °C)	5 x 10^6 switching operations
Max. switching load with load/without load	6 min^{-1} / 300 min^{-1}

Signaling

Status indication	LED red Mechanical

Safety and protection:

Rated voltage	250 V
Rated impulse voltage	4 kV

Pollution degree	3
Dielectric strength, control/load circuit (AC, 1 min)	5 kV_{rms}
Dielectric strength, control/load circuit (AC, 1 min)	5 kV_{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 mm² / 22 … 14 AWG
Fine-stranded conductor	0.34 … 2.5 mm² / 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	73 mm / 2.874 inch
Depth	86 mm / 3.386 inch

Mechanical data

Type of mounting	DIN-35 rail

Material Data

Weight	64.04 g

Environmental Requirements

Surrounding air (operating) temperature at U_N	-40 … 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)

Commercial data

Country of origin	DE
GTIN	4050821226888
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

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
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type	www.wago.com/793-501/000-002

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

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 mm² / 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 mm² / 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 mm² / 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 mm² / 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 mm² / 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.: 788-124
Accessories for relay modules; Operation status indicator: red
www.wago.com/788-124

Item no.: 788-148

	Filter module; RC filter element; Nominal voltage: 230 VAC	www.wago.com/788-148

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

Downloads

Documentation

Bid Text

788-543 Relaisbaustein	Jan 15, 2016	DOC 28.7 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 788-543	URL	Download

Subject to changes.

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