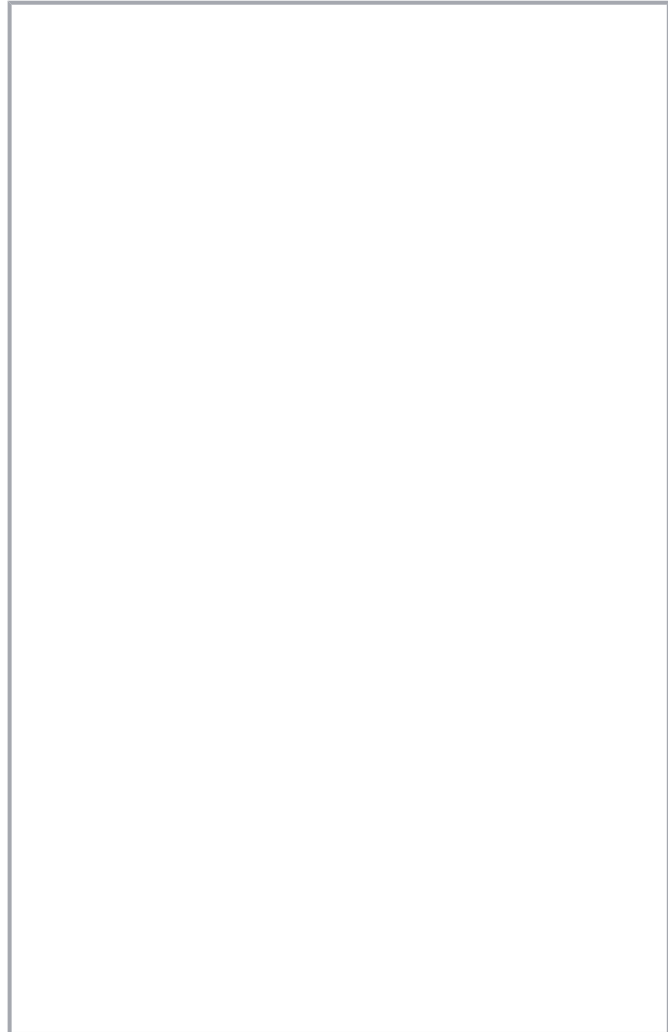
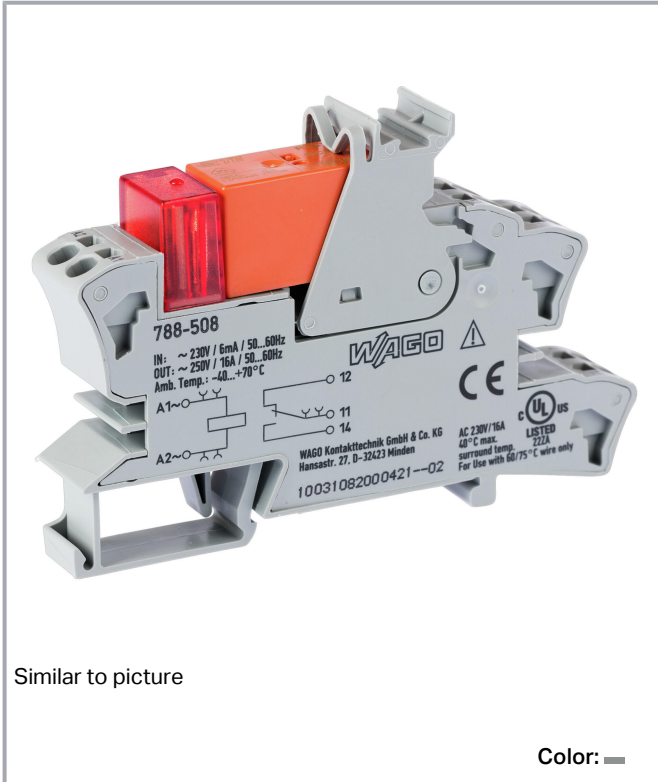


**Data sheet | Item number: 788-508**

Relay module; Nominal input voltage: 230 VAC; 1 changeover contact;  
Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm<sup>2</sup>; gray

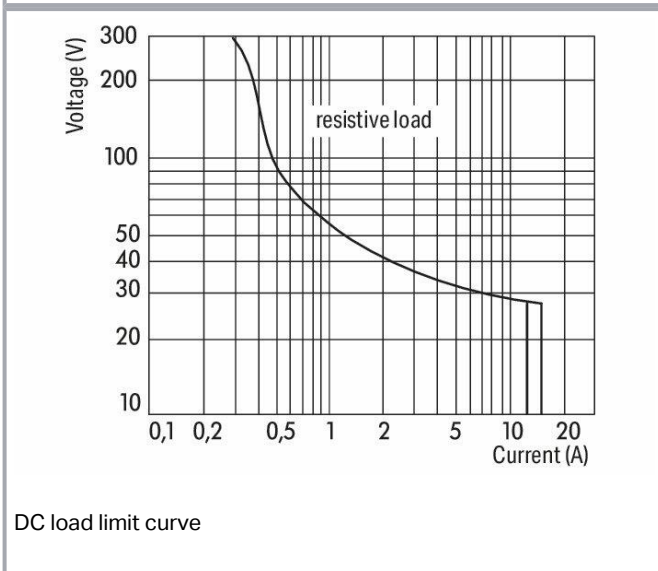
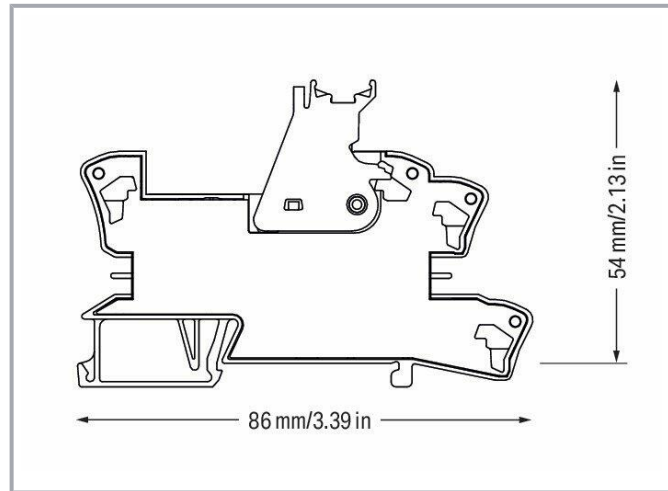
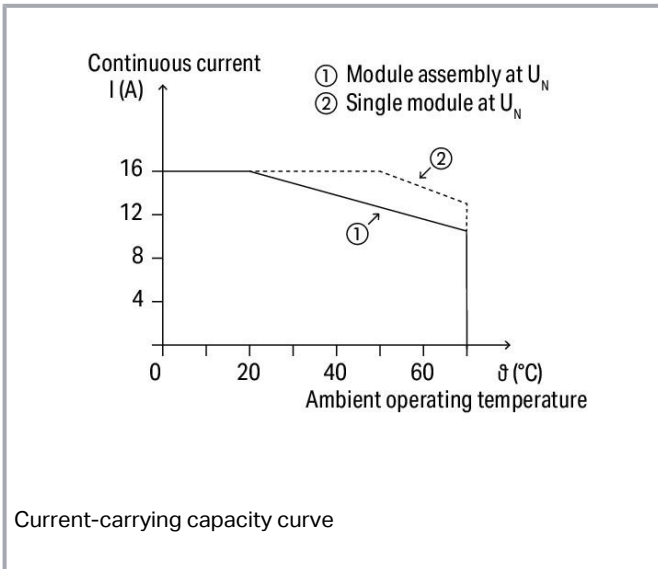
[www.wago.com/788-508](http://www.wago.com/788-508)



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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



**Data**  
**Notes**

Safety information 1

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.

Note

- Reinforced insulation between coil and contacts
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

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 32423 Minden  
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## Technical data

### Control circuit

Nominal input voltage $U_N$	AC 230 V
Input voltage range	$\pm 10\%$
Nominal input current at $U_N$	3.5 mA

### Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	16 A
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)	$30 \times 10^3$ switching operations
Mechanical life	$5 \times 10^6$ switching operations
Switching frequency with/without load (max.)	$6 \text{ min}^{-1}$ / $600 \text{ min}^{-1}$

### 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
Safety information 1	A separator plate (e.g., 209-191) must be used for voltages greater

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



than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.

Protection type	IP20
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### Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

### Physical data

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

### Mechanical data

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

### Material data

Color	gray
Fire load	0.843 MJ
Weight	46 g

### Environmental requirements

Surrounding air temperature (operation at $U_N$ )	-40 ... 70 °C
Surrounding air (operating) temperature for UL	-40 ... 40 °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 GL UL 508 (max. 40 °C)
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Subject to changes. Please also observe the further product documentation!

## Basic relay


WAGO Basic Relay 788-178

## Commercial data



Product Group	6 (Interface Electronics)
PU (SPU)	20 (1) Stück
Packaging type	box
Country of origin	CN
GTIN	4055143192347
Customs tariff number	85364900990

## Approvals / Certificates


### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>EAC</b> Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	<b>NK</b> Nippon Kaiji Kyokai	-	TA17255M
	<b>PRS</b> Polski Rejestr Statków	-	TE/2186/880590/18

### UL-Approvals











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

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

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32423 Minden  
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## Optional accessories

Ferrule		
Ferrule		
	<b>Item no.: 216-241</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>
	<b>Item no.: 216-242</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<a href="http://www.wago.com/216-242">www.wago.com/216-242</a>
	<b>Item no.: 216-243</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="http://www.wago.com/216-243">www.wago.com/216-243</a>
	<b>Item no.: 216-244</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	<a href="http://www.wago.com/216-244">www.wago.com/216-244</a>
	<b>Item no.: 216-542</b> Twin ferrule; Sleeve for 2 x 1 mm <sup>2</sup> / AWG 2 x 18; red, insulated; 12 mm long; red	<a href="http://www.wago.com/216-542">www.wago.com/216-542</a>
Jumpers		
Jumper		
	<b>Item no.: 788-116</b> Jumper; for jumper slot; 6-way; insulated	<a href="http://www.wago.com/788-116">www.wago.com/788-116</a>
	<b>Item no.: 788-117</b> Jumper; for jumper slot; 8-way; insulated	<a href="http://www.wago.com/788-117">www.wago.com/788-117</a>
Tool		
Operating tool		
	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
Marking accessories		
Marking strip		
	<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
Marking device		
	<b>Item no.: 210-110</b> Fiber-tip pen	<a href="http://www.wago.com/210-110">www.wago.com/210-110</a>
Double marker carrier		

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



**Item no.: 209-128**  
Adaptor; gray

Protective marker cover

**Item no.: 209-184**  
Protection cover; transparent

[www.wago.com/209-184](http://www.wago.com/209-184)

Marker



**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](http://www.wago.com/2009-115)

**Item no.: 209-183**  
Marker card; white

[www.wago.com/209-183](http://www.wago.com/209-183)



**Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)

Group marker carrier



**Item no.: 209-145**  
Group marker carrier; white

[www.wago.com/209-145](http://www.wago.com/209-145)



**Item no.: 249-105**  
Group marker carrier; gray

[www.wago.com/249-105](http://www.wago.com/249-105)

## Downloads

### Documentation

#### Bid Text

788-508 X81 - Datei	Feb 19, 2019	xml 4.7 kB	Download
788-508 docx - Datei	Jan 25, 2019	docx 16.9 kB	Download

#### Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 Oct 9, 2020	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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Subject to changes. Please also observe the further product documentation!

## CAD/CAE-Data

### CAD data

2D/3D Models 788-508	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

EPLAN Data Portal 788-508	<a href="#">URL</a>	<a href="#">Download</a>
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WSCAD Universe 788-508	<a href="#">URL</a>	<a href="#">Download</a>
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ZUKEN Portal 788-508	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

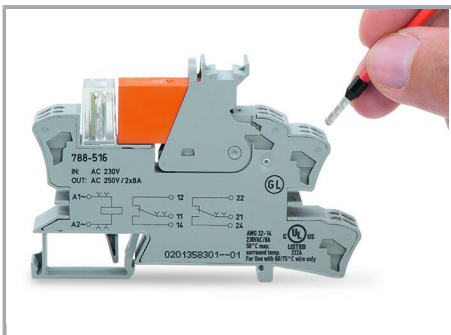
### Compliance Search

Environmental Product Compliance 788-508	<a href="#">URL</a>	<a href="#">Download</a>
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Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm; 2,50 mm<sup>2</sup>; gray

## Installation Notes

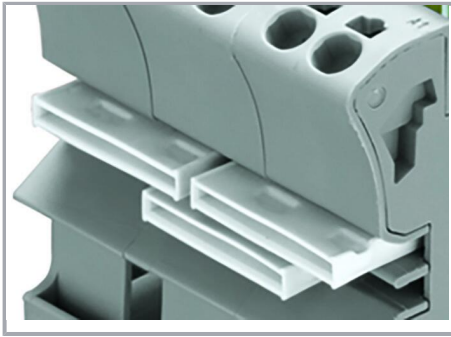
### Conductor termination



### Conductor termination

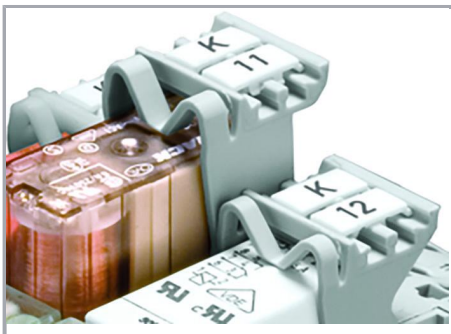
### Commoning

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



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!