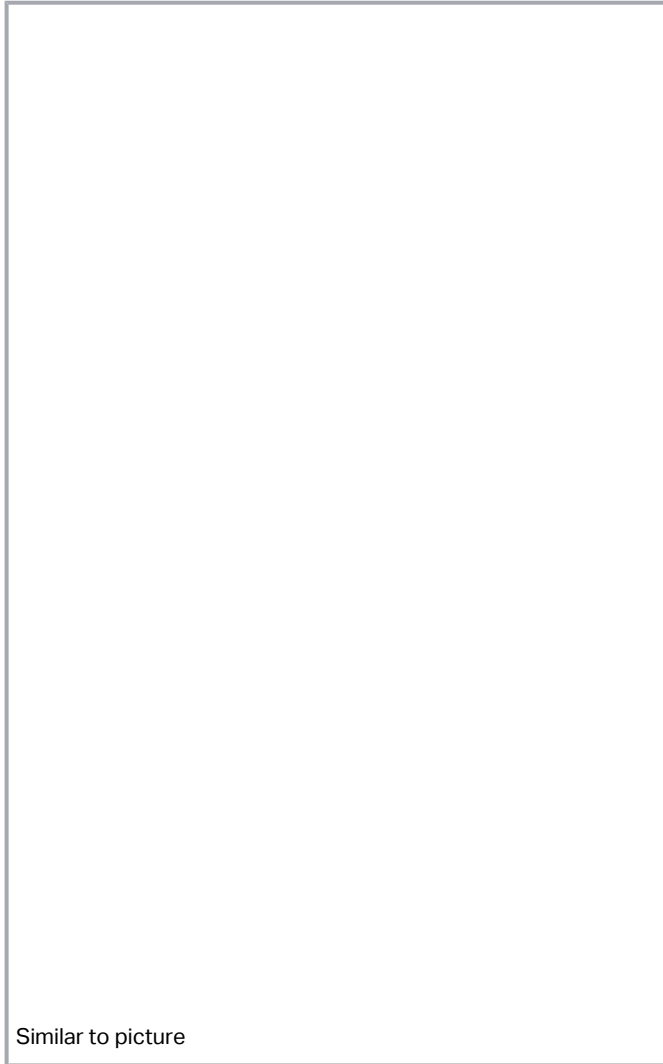


**Data sheet | Item number: 788-356**

Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; for lamp loads; Red status indicator; Module width: 15 mm



[www.wago.com/788-356](http://www.wago.com/788-356)

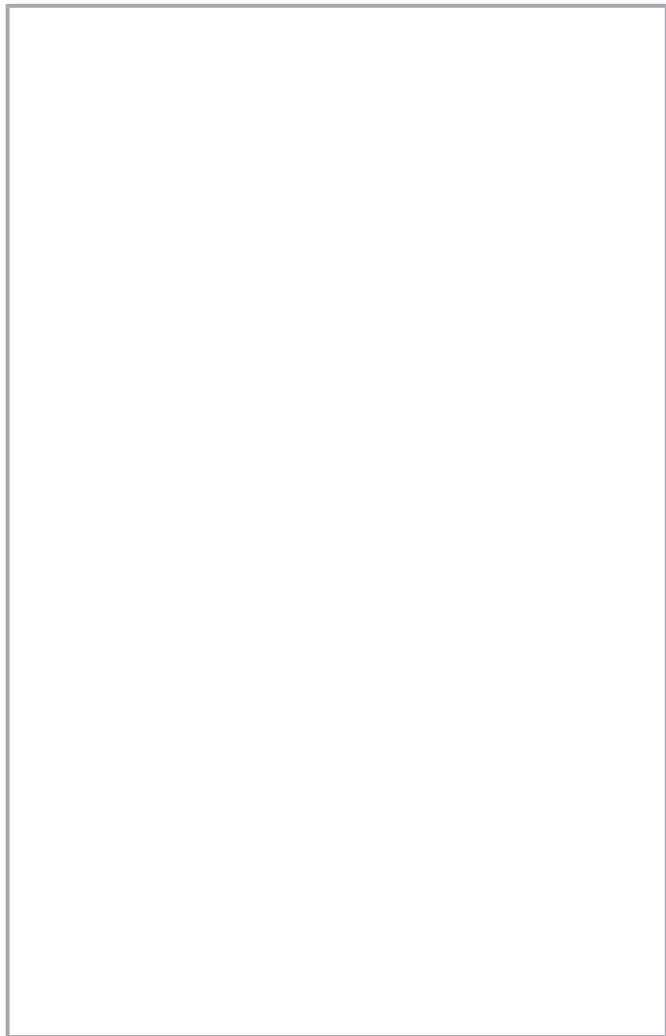
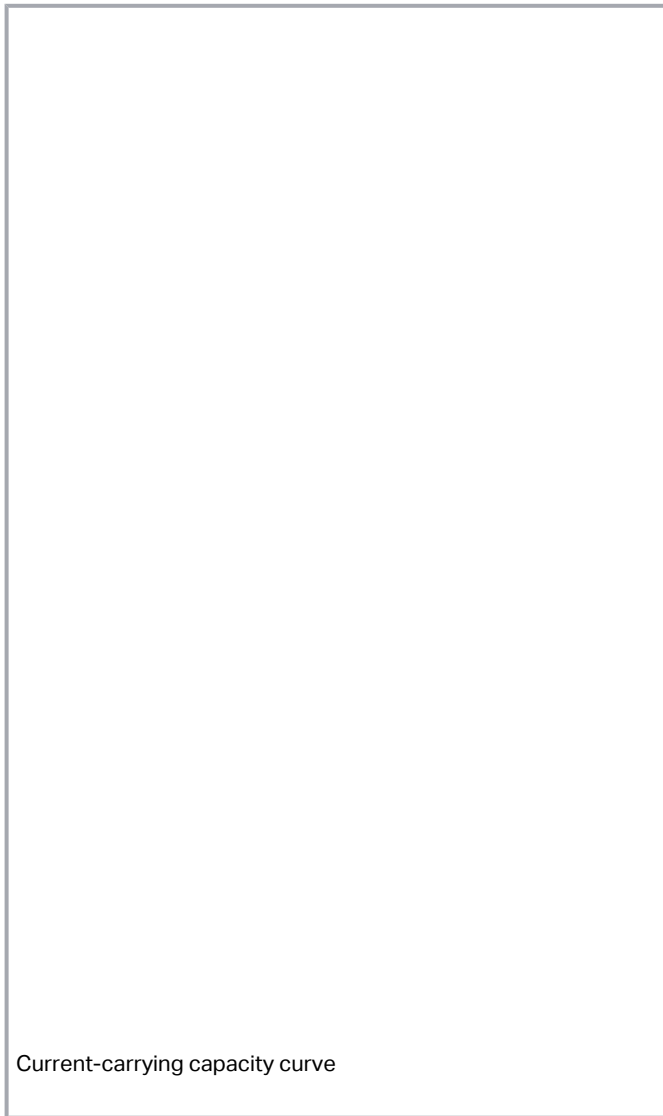


Similar to picture

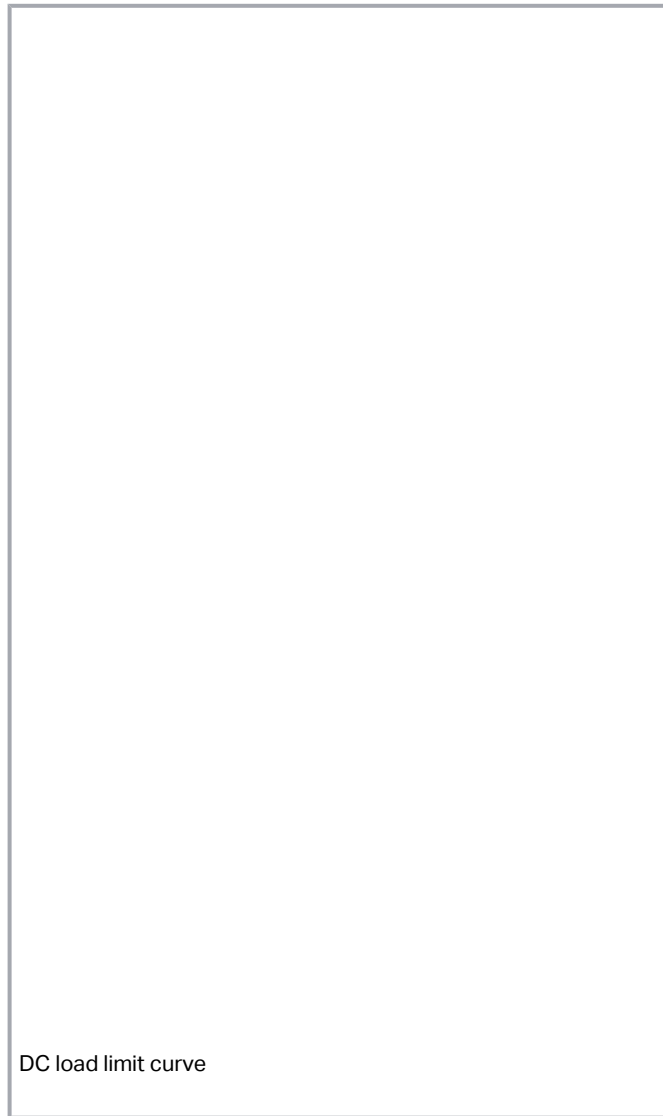
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## Data

### Notes

Safety information

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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## Technical data

### Control Circuit

Nominal input voltage $U_N$	DC 24 V
Input voltage range	-15 ... +20 %
Nominal input current at $U_N$	19 mA

### Load circuit

Number of make/switch-on contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	16 A
Inrush current (resistive) max.	(AC) 80 A / 0.02 s; (AC) 30 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
Recommended minimum load	12 V / 100 mA
Pull-in time (typ.)	9 ms
Drop-out time (typ.)	6 ms
Bounce time (typ.)	3 ms
Electrical life (NO; resistive load; 23 °C)	50 x 10 <sup>3</sup> switching operations
Mechanical life	30 x 10 <sup>6</sup> switching operations

### Signaling

Status indicator	Red LED
------------------	---------

### 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	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.
Protection type	IP20

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



## 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 inches

## Physical data

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

## Mechanical data

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

## Material Data

Fire load	0.685 MJ
Weight	46.8 g

## Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °C
Ambient temperature UL (operation at U <sub>N</sub> )	-40 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T <sub>ambient</sub> + 20 K)

## Standards and specifications

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

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01

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



ETIM 8.0	EC001437
ETIM 7.0	EC001437
Recupel Type	
PU (SPU)	20 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4045454540753
Customs tariff number	85364900990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

## Approvals / Certificates

### General 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
	<b>UL</b> Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.1 Sec. 6

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

## Optional accessories

### Indicators

Status indication		
<b>Item no.: 788-120</b> Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC		<a href="http://www.wago.com/788-120">www.wago.com/788-120</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>

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## 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		
<b>Item no.: 209-128</b>	Adaptor; gray	<a href="http://www.wago.com/209-128">www.wago.com/209-128</a>
Protective marker cover		
<b>Item no.: 209-184</b>	Protection cover; transparent	<a href="http://www.wago.com/209-184">www.wago.com/209-184</a>
Marker		
<b>Item no.: 2009-115</b>	WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
<b>Item no.: 209-183</b>	Marker; white	<a href="http://www.wago.com/209-183">www.wago.com/209-183</a>
<b>Item no.: 793-501</b>	WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
<b>Item no.: 793-502</b>	WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-502">www.wago.com/793-502</a>
<b>Item no.: 793-503</b>	WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-503">www.wago.com/793-503</a>
<b>Item no.: 793-504</b>	WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-504">www.wago.com/793-504</a>
<b>Item no.: 793-505</b>	WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	<a href="http://www.wago.com/793-505">www.wago.com/793-505</a>
Group marker carrier		
<b>Item no.: 209-145</b>	Group marker carrier; white	<a href="http://www.wago.com/209-145">www.wago.com/209-145</a>
<b>Item no.: 249-105</b>	Group marker carrier; gray	<a href="http://www.wago.com/249-105">www.wago.com/249-105</a>
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	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>

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crimped; acc. to DIN 46228, Part 4/09.90; white

**Item no.: 216-242**

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

[www.wago.com/216-242](http://www.wago.com/216-242)

**Item no.: 216-243**

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

[www.wago.com/216-243](http://www.wago.com/216-243)

**Item no.: 216-244**

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

[www.wago.com/216-244](http://www.wago.com/216-244)

**Item no.: 216-542**

Twin ferrule; Sleeve for 2 x 1 mm<sup>2</sup> / AWG 2 x 18; red, insulated; 12 mm long; red

[www.wago.com/216-542](http://www.wago.com/216-542)

**Jumpers**

## Jumper

**Item no.: 788-116**

Jumper; for jumper slot; 6-way; insulated; light gray

[www.wago.com/788-116](http://www.wago.com/788-116)

**Item no.: 788-117**

Jumper; for jumper slot; 8-way; insulated; light gray

[www.wago.com/788-117](http://www.wago.com/788-117)

**Item no.: 788-114**

Jumper; for jumper slot; 3-way; insulated; light gray

[www.wago.com/788-114](http://www.wago.com/788-114)

**Item no.: 788-113**

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

[www.wago.com/788-113](http://www.wago.com/788-113)

**Item no.: 788-115**

Jumper; for jumper slot; 4-way; insulated; light gray

[www.wago.com/788-115](http://www.wago.com/788-115)

**Item no.: 859-402**

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

[www.wago.com/859-402](http://www.wago.com/859-402)

**Item no.: 788-118**

Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray

[www.wago.com/788-118](http://www.wago.com/788-118)

**Downloads****Documentation****Bid Text**

788-356 X81 - Datei	2019 年2月19 日	xml 5.0 kB	Download
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### Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1 2020 年10 月9 日	pdf 2.3 MB	Download
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### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8 月18 日	pdf 2.2 MB	Download
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### CAD/CAE-Data

#### CAE data

EPLAN Data Portal 788-356		URL	Download
WSCAD Universe 788-356		URL	Download
ZUKEN Portal 788-356		URL	Download

#### CAD data

2D/3D Models 788-356		URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 788-356 Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; for lamp loads; Red status indicator; Module width: 15 mm		URL	Download
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### Installation Notes

#### Conductor termination

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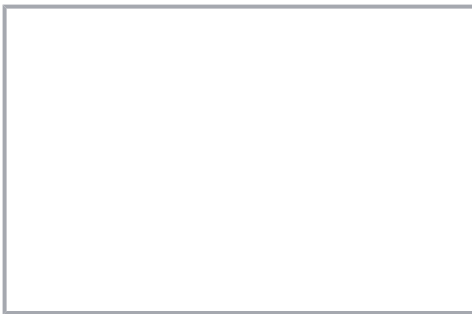
Conductor termination

### 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!