

**Data sheet | Item number: 788-353**

Relay module; Nominal input voltage: 12 VDC; 1 changeover contact;  
Limiting continuous current: 16 A; for lamp loads; Red status indicator;  
Module width: 15 mm



[www.wago.com/788-353](http://www.wago.com/788-353)

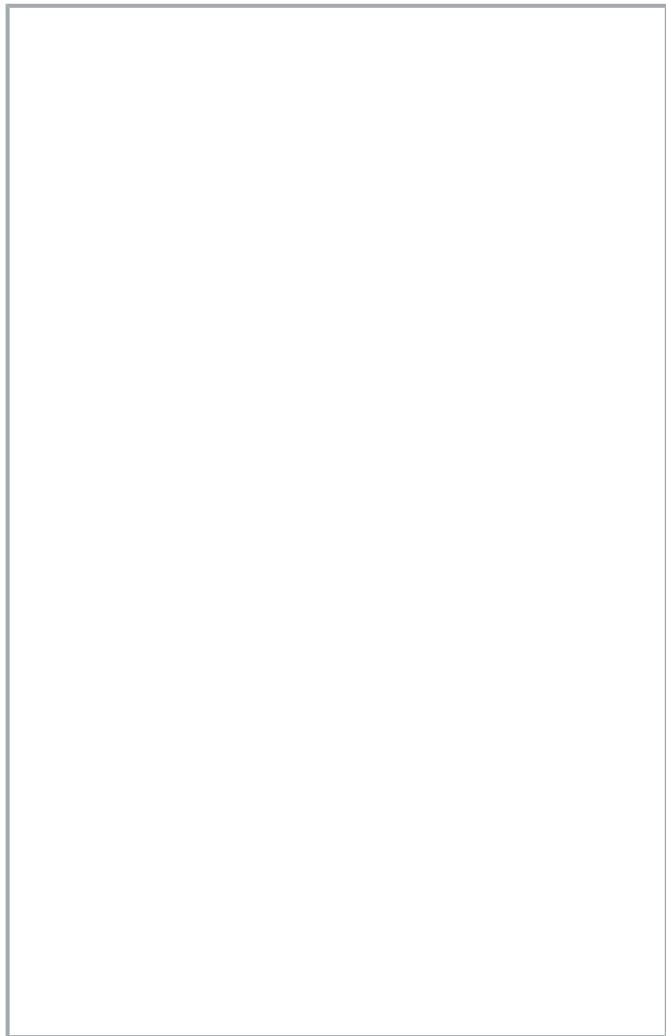
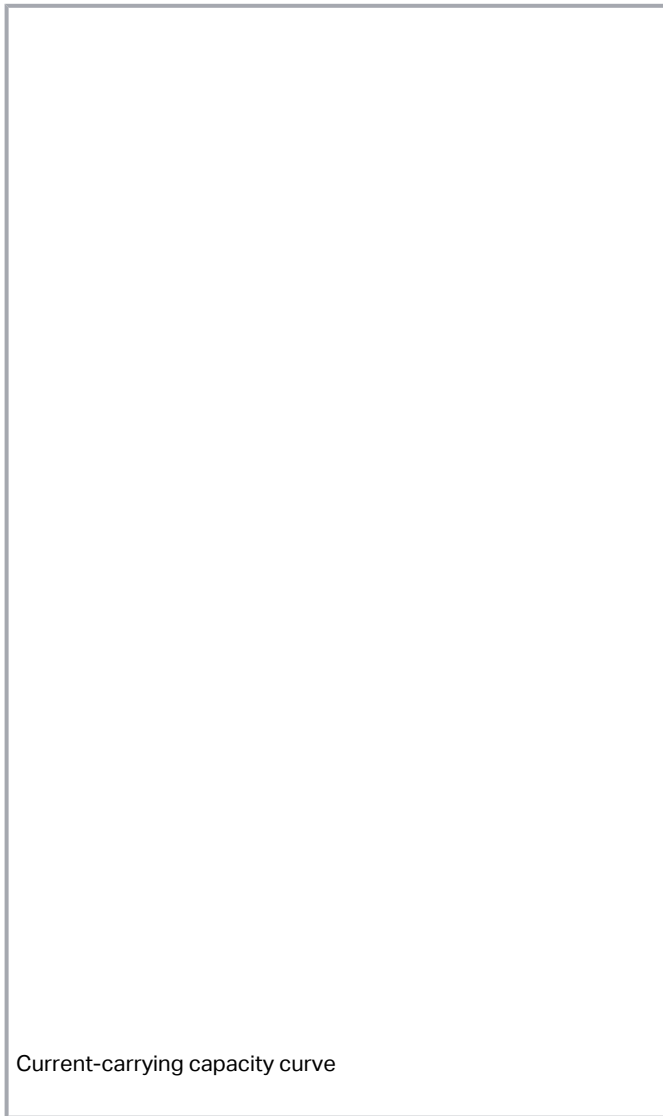


Subject to changes. Please also observe the further product documentation!

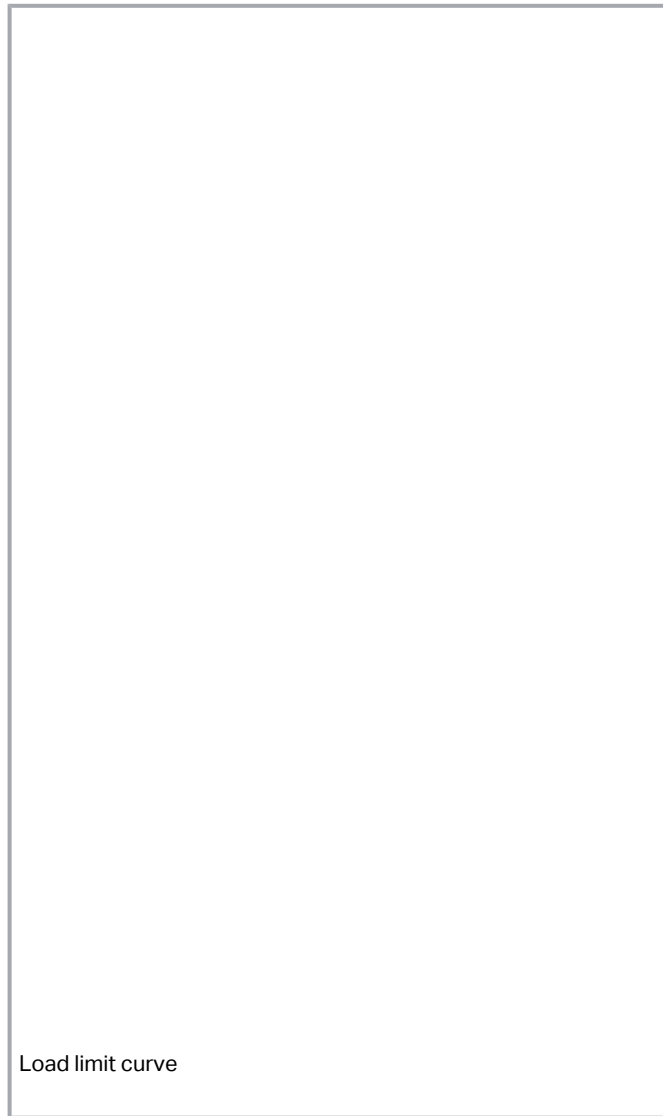
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We are always happy to take your call at +49 (571) 887-44222.



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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 12 V
Input voltage range	-15 ... +20 %
Nominal input current at $U_N$	35 mA

### Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	16 A
Inrush current (resistive) max.	(AC) 120 A / 0.05 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 4000 VA; DC (see load limit curve)
Recommended minimum load	5 V / 100 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	5 ms
Electrical life (NO; resistive load; 23 °C)	100 x 10 <sup>3</sup> switching operations
Mechanical life	10 x 10 <sup>6</sup> switching operations

### 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	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
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## Material Data

Fire load	0.677 MJ
Weight	44.4 g

## Environmental requirements

Ambient temperature (operation at U <sub>N</sub> )	-40 ... +70 °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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## Basic relay

WAGO Basic Relay	788-196
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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
ETIM 8.0	EC001437
ETIM 7.0	EC001437
Recupel Type	
PU (SPU)	20 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4045454545864
Customs tariff number	85364900990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

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

### Declarations of conformity and manufacturer's declarations

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

## Optional accessories

### Tool

Operating tool	Item no.: 210-720 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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### Ferrule

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



## 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>

## 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>
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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>
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## 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>
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## 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>
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## 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>
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## 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;	<a href="http://www.wago.com/793-502">www.wago.com/793-502</a>

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



white

**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](http://www.wago.com/793-503)  
white**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](http://www.wago.com/793-504)  
white**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](http://www.wago.com/793-505)  
white

## 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)**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**

788-353 X81 - Datei	2019 年2月19 日	xml 5.0 kB	Download
788-353	2019 年1月25 日	docx	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

#### CAD data

2D/3D Models 788-353	URL	Download
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#### CAE data

EPLAN Data Portal 788-353	URL	Download
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ZUKEN Portal 788-353	URL	Download
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WSCAD Universe 788-353	URL	Download
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### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 788-353 Relay module; Nominal input voltage: 12 VDC; 1 changeover 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

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



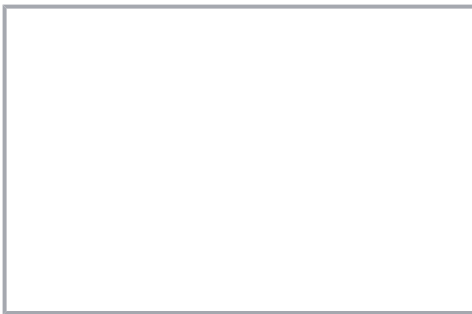
Conductor termination

### 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!