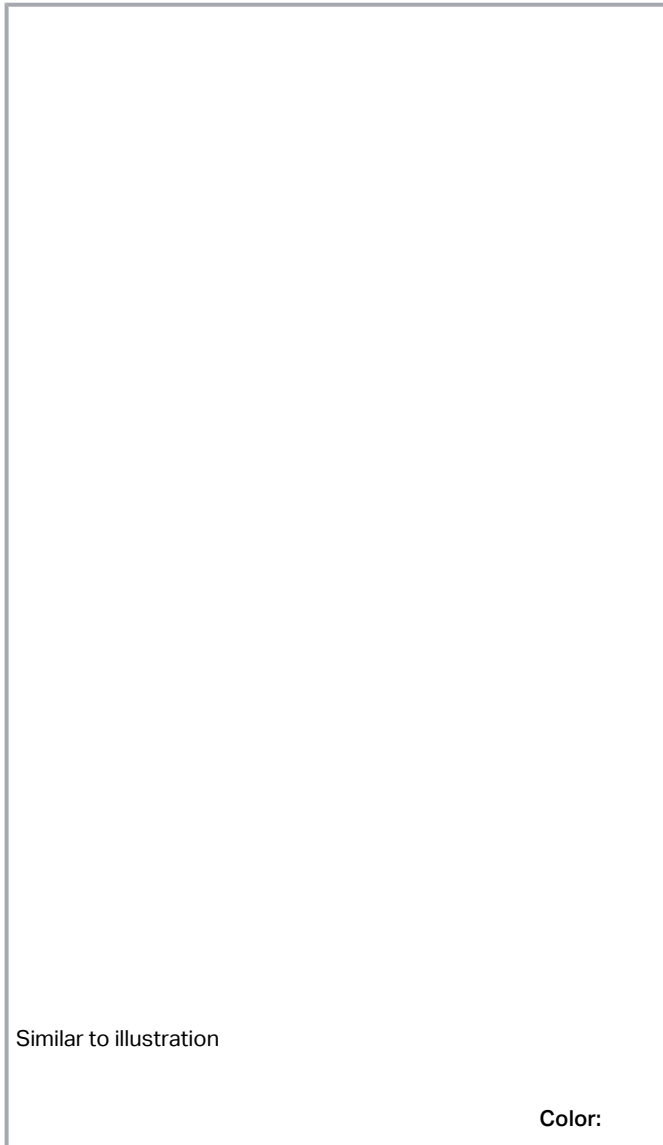


**Data sheet | Item number: 788-700**

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 24 VDC; Limiting continuous current: 3.5 A; 2-wire connection; Red status indicator; Module width: 15 mm; gray



[www.wago.com/788-700](http://www.wago.com/788-700)



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

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



## Data

### Notes

Note

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

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## Technical data

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

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## Control Circuit

Nominal input voltage $U_N$	DC 24 V
Input voltage range (low level)	DC 0 ... 8 V
Input voltage range (high level)	DC 18 ... 30 V
Nominal input current at $U_N$	7 mA

## Load circuit

Circuit type	2-wire connection
Limiting continuous current	3.5 A
Nominal output voltage	DC 24 V
Output voltage range	DC 0 ... 24 V
Voltage drop at output (max.)	$\leq$ DC 0.1 V
Voltage drop	$\leq$ 0.1 VDC
Turn-on time	$\leq$ 50 $\mu$ s
Turn-off time	$\leq$ 600 $\mu$ s
Switching frequency	$\leq$ 100 Hz

## Signaling

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

## Safety and protection

Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Protection type	IP20

## Connection data

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
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 from upper-edge of DIN-rail	54 mm / 2.126 inches

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



Depth	86 mm / 3.386 inches
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### Mechanical data

Mounting type	DIN-35 rail
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### Material Data

Color	gray
Fire load	0.693 MJ
Weight	41.7 g

### Environmental requirements

Ambient temperature (operation at $U_N$ )	-20 ... +60 °C
Ambient temperature UL (operation at $U_N$ )	-40 ... +60 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	$\geq (T_{\text{ambient}} + 20 \text{ K})$

### Standards and specifications

Standards/specifications	EN 61000-6-2 EN 61000-6-3 EN 61373 EN 61010-2-201 UL 508
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### Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
Recupel Type	
PU (SPU)	20 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454743864
Customs tariff number	85365005000

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



## 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 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_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

### 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>

### 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>

### Jumpers

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



## Jumper

<b>Item no.: 788-116</b> Jumper; for jumper slot; 6-way; insulated; light gray	<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; light gray	<a href="http://www.wago.com/788-117">www.wago.com/788-117</a>
<b>Item no.: 788-114</b> Jumper; for jumper slot; 3-way; insulated; light gray	<a href="http://www.wago.com/788-114">www.wago.com/788-114</a>
<b>Item no.: 788-113</b> Jumper; for jumper slot; 2-way; insulated; light gray	<a href="http://www.wago.com/788-113">www.wago.com/788-113</a>
<b>Item no.: 788-115</b> Jumper; for jumper slot; 4-way; insulated; light gray	<a href="http://www.wago.com/788-115">www.wago.com/788-115</a>
<b>Item no.: 859-402</b> Jumper; for jumper slot; 2-way; insulated; light gray	<a href="http://www.wago.com/859-402">www.wago.com/859-402</a>
<b>Item no.: 788-118</b> Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray	<a href="http://www.wago.com/788-118">www.wago.com/788-118</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>
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<b>Item no.: 209-183</b> Marker; white	<a href="http://www.wago.com/209-183">www.wago.com/209-183</a>
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**Item no.: 793-501**

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



WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)**Item no.: 793-502**

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

[www.wago.com/793-502](http://www.wago.com/793-502)**Item no.: 793-503**

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

[www.wago.com/793-503](http://www.wago.com/793-503)**Item no.: 793-504**

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

[www.wago.com/793-504](http://www.wago.com/793-504)**Item no.: 793-505**

WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

[www.wago.com/793-505](http://www.wago.com/793-505)

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**

788-700 docx - Datei	2019 年2月20 日	docx 15.7 kB	Download
788-700 X81 - Datei	2019 年2月19 日	xml 4.1 kB	Download

**Instruction Leaflet**

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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**

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

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2D/3D Models 788-700

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### Environmental Product Compliance

#### Compliance Search

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Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 0 ... 24 VDC; Limiting continuous current: 3.5 A; 2-wire connection; Red status indicator; Module width: 15 mm; 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!