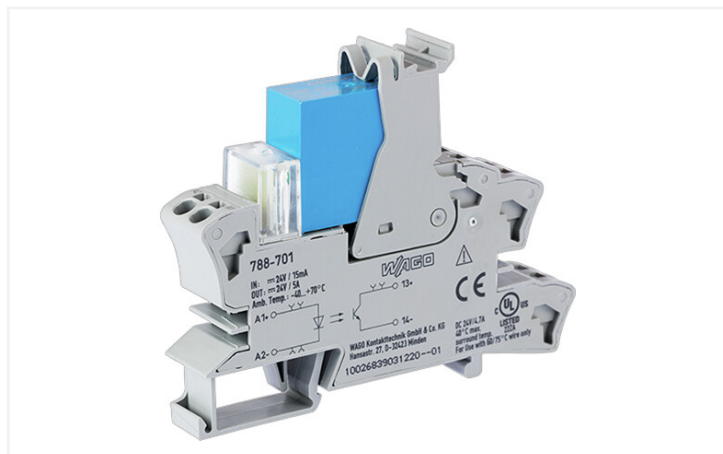


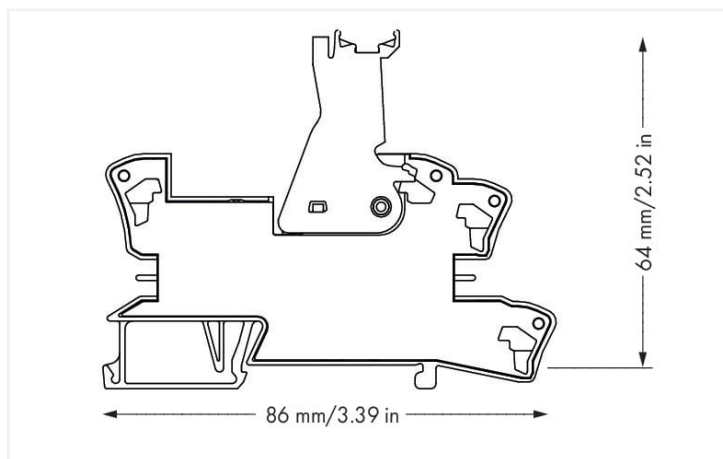
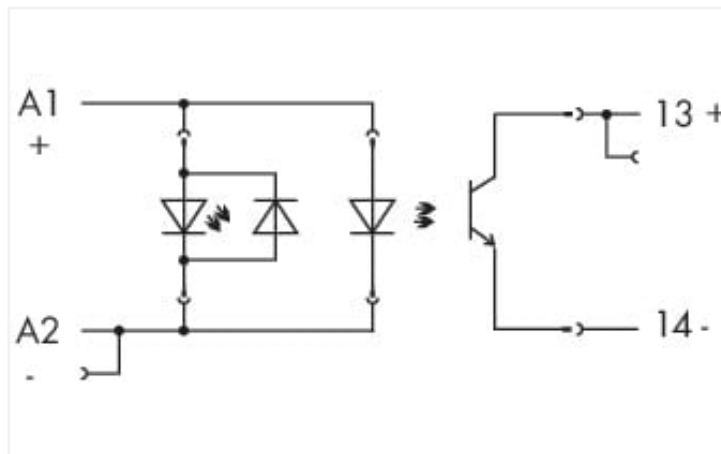
## Data Sheet | Item Number: 788-701

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Red status indicator; Module width: 15 mm; gray

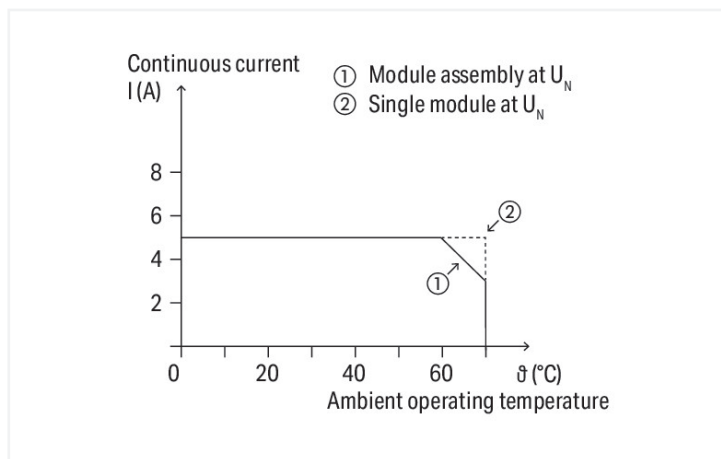
<https://www.wago.com/788-701>



Color: ■ gray



Dimensions in mm



Current-carrying capacity curve

### 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.

### Technical data

#### Control circuit

Nominal input voltage $U_N$	DC 24 V
Input voltage range (low level)	DC 0 ... 2.5 V
Input voltage range (high level)	DC 15 ... 30 V
Nominal input current at $U_N$	10 mA

#### Load circuit

Circuit type	2-wire connection
Limiting continuous current	5 A
Nominal output voltage	DC 24 V
Output voltage range	DC 0 ... 30 V
Voltage drop	$\leq 0.3$ 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
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### 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®
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	64 mm / 2.52 inches
Depth	86 mm / 3.386 inches

### Mechanical data

Mounting type	DIN-35 rail
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### Material data

Color	gray
Fire load	0.689 MJ
Weight	47 g

### Environmental requirements

Ambient temperature (operation at $U_N$ )	-40 ... +70 °C
Ambient temperature UL (operation at $U_N$ )	-40 ... +40 °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 (max. 40 °C/4.7 A)
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Basic relay	
WAGO Basic Relay	788-751

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
PU (SPU)	15 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454743871
Customs tariff number	85365005000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.1 Sec.6			

### Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 788-701	<a href="#">↓</a>

### Documentation

Bid Text			
788-701	19.02.2019	xml 4.09 KB	<a href="#">↓</a>
788-701	20.02.2019	docx 15.53 KB	<a href="#">↓</a>

Instruction Leaflet			
Sockets with Elementary Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	<a href="#">↓</a>

## CAD/CAE-Data

CAD data	
2D/3D Models 788-701	<a href="#">↓</a>

CAE data	
EPLAN Data Portal 788-701	<a href="#">↓</a>
WSCAD Universe 788-701	<a href="#">↓</a>
ZUKEN Portal 788-701	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



**Item No.: 216-241**  
 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



**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



**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



**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

**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

#### 1.1.2 Indicators

##### 1.1.2.1 Status indication



**Item No.: 788-120**  
 Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC

#### 1.1.3 Jumper

1.1.3.1 Jumper



**Item No.: 788-118**

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

**Item No.: 788-113**

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

**Item No.: 859-402**

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

**Item No.: 788-114**

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



**Item No.: 788-115**

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

**Item No.: 788-116**

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

**Item No.: 788-117**

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

1.1.4 Marking

1.1.4.1 Double marker carrier



**Item No.: 209-128**

Adaptor; gray

1.1.4.2 Group marker carrier



**Item No.: 249-105**

Group marker carrier; gray

**Item No.: 209-145**

Group marker carrier; white

1.1.4.3 Marker



**Item No.: 209-183**

Marker; white

**Item No.: 793-502**

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

**Item No.: 793-503**

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

**Item No.: 793-504**

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



**Item No.: 793-505**

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

**Item No.: 793-501**

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

**Item No.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.4.4 Marking devices



**Item No.: 210-110**

Fiber-tip pen

1.1.4.5 Marking strip



**Item No.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

### 1.1.4.6 Protective marker cover



Item No.: 209-184

Protection cover; transparent

### 1.1.5 Tool

#### 1.1.5.1 Operating tool

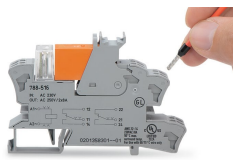


Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination



Conductor termination

### Commoning



Easy commoning using adjacent jumpers

### Marking



Marking using WMB Multi markers and group marker carriers.