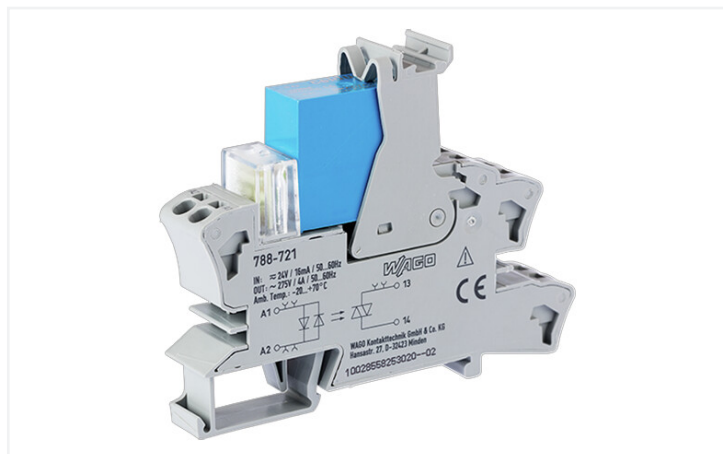


## Data Sheet | Item Number: 788-721

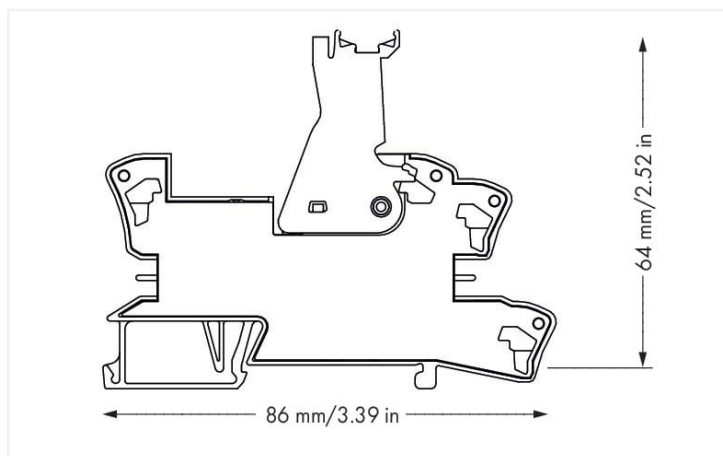
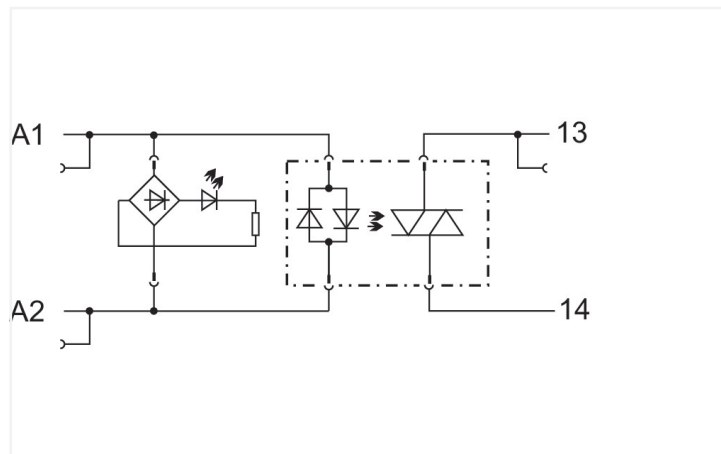
Solid-state relay module; Nominal input voltage: 24 V AC/DC; Output voltage range: 24 ... 230 VAC; Limiting continuous current: 4 A; 2-wire connection; zero-cross switching; Red status indicator; Module width: 15 mm; gray



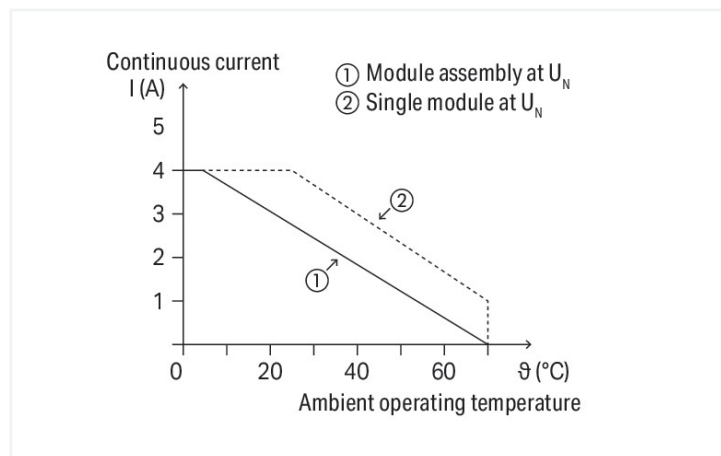
<https://www.wago.com/788-721>



Color: ■ gray



Dimensions in mm



Current-carrying capacity curve

### Notes

Note

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.

### Technical data

#### Control circuit

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

#### Load circuit

Circuit type	2-wire connection Zero-voltage switching
Limiting continuous current	4 A
Nominal output voltage	AC 230 V
Output voltage range	AC 12 ... 275 V (50/60 Hz)
Voltage drop	$\leq 1.1$ VAC
Turn-on time	$\leq 10$ ms
Turn-off time	$\leq 10$ ms
Switching frequency	50 Hz / 60 Hz

### Signaling

Status indicator	Red LED
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### Safety and protection

Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	4 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	0.679 MJ
Weight	49.4 g

### Environmental requirements

Ambient temperature (operation at $U_N$ )	-20 ... +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/2.5 A)
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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
PU (SPU)	15 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454945961
Customs tariff number	85365005000

### Environmental Product Compliance

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

#### General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19

#### Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

### Downloads

#### Environmental Product Compliance



##### Compliance Search

Environmental Product  
Compliance 788-721




### Documentation


#### Bid Text

788-721	19.02.2019	xml 4.07 KB	
788-721	20.02.2019	docx 15.67 KB	

#### Instruction Leaflet

Sockets with Elementa- ry Relay/ SSR	V 1.0.1 09.10.2020	pdf 2271.22 KB	
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### CAD/CAE-Data

CAD data
2D/3D Models 788-721 

CAE data
EPLAN Data Portal 788-721 
WSCAD Universe 788-721 
ZUKEN Portal 788-721 

## 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 Filter module

##### 1.1.2.1 Suppressor module



**Item No.: 788-148**  
 Filter module; RC filter element; Nominal voltage: 230 VAC

#### 1.1.3 Indicators

##### 1.1.3.1 Status indication



**Item No.: 788-123**  
 Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VAC

#### 1.1.4 Jumper

1.1.4.1 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

1.1.5 Marking

1.1.5.1 Double marker carrier



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

1.1.5.2 Group marker carrier



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

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

1.1.5.3 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

1.1.5.4 Marking devices



**Item No.: 210-110**  
 Fiber-tip pen

1.1.5.5 Marking strip



**Item No.: 2009-110**  
 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

### 1.1.5.6 Protective marker cover



Item No.: [209-184](#)

Protection cover; transparent

### 1.1.6 Tool

#### 1.1.6.1 Operating tool

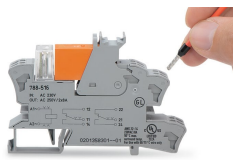


Item No.: [210-720](#)

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.