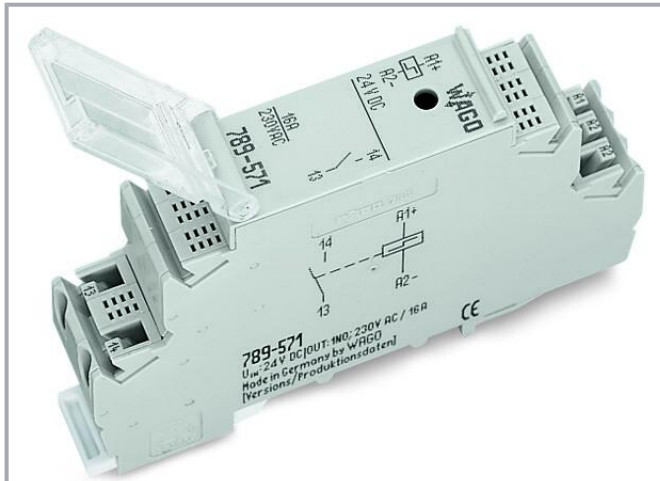


## Data sheet | Item number: 789-570

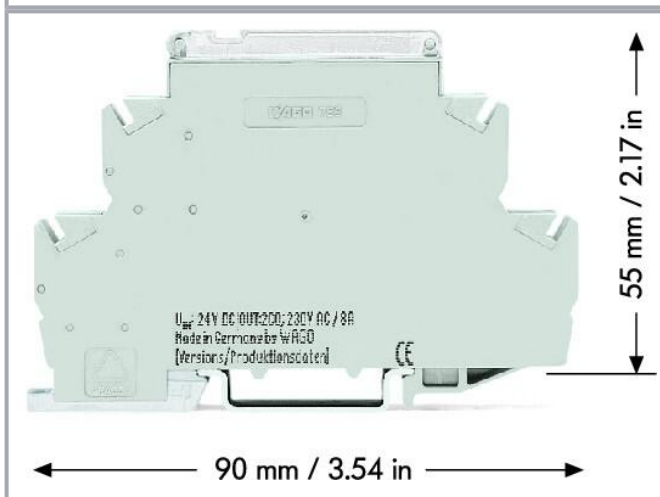
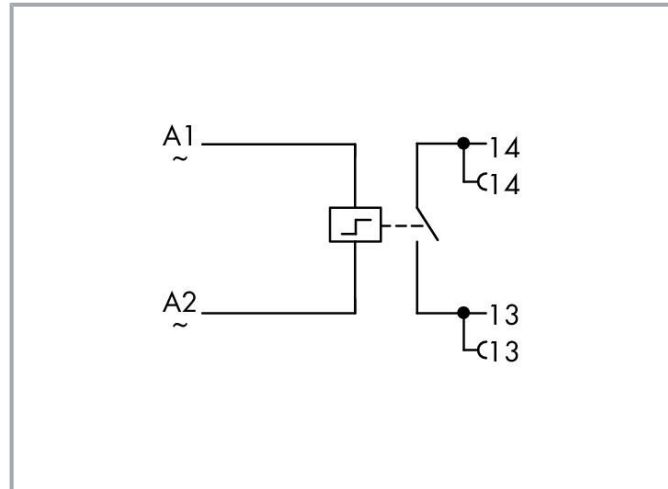
Latching relay module; Nominal input voltage: 230 VAC; 1 make contact;  
Limiting continuous current: 16 A; Red status indicator; Module width: 18 mm; 2,50 mm<sup>2</sup>; gray

[www.wago.com/789-570](http://www.wago.com/789-570)



 Picture differs from the item.

Color: 



## Data

### Technical data

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

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## Control circuit

|                                      |               |
|--------------------------------------|---------------|
| Nominal input voltage $U_N$          | AC 230 V      |
| Input voltage range                  | -15 ... +10 % |
| Nominal input current at $U_N$       | 10 mA         |
| Coil control                         | Pulse mode    |
| Minimum pulse length (control input) | 40 ms         |
| Minimum break time                   | 180 ms        |

## 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) 50 A / 0.02 s                                       |
| Switching voltage (max.)                     | AC 250 V                                                 |
| Switching power (resistive) max.             | AC 4000 VA                                               |
| Recommended minimum load                     | 10 V / 10 mA                                             |
| Electrical life (NO; resistive load; 23 °C)  | 50 x 10 <sup>3</sup> switching operations                |
| Mechanical life                              | 100 x 10 <sup>3</sup> switching operations               |
| Switching frequency with/without load (max.) | 6 min <sup>-1</sup> / 240 min <sup>-1</sup>              |
| Protection                                   | Circuit breaker: 16 A (max.); Tripping characteristic: B |

## Signaling

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

## Safety and protection

|                                                        |         |
|--------------------------------------------------------|---------|
| Rated voltage                                          | 250 V   |
| Rated surge voltage                                    | 4 kV    |
| Pollution degree                                       | 2       |
| Dielectric strength (control/load circuit) (AC, 1 min) | 4 kVrms |
| Protection type                                        | IP20    |

## Connection data

|                       |                                             |
|-----------------------|---------------------------------------------|
| Connection technology | CAGE CLAMP®                                 |
| Solid conductor       | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG |

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



|                         |                                             |
|-------------------------|---------------------------------------------|
| Fine-stranded conductor | 0.2 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG |
| Strip length            | 9 ... 10 mm / 0.35 ... 0.39 inches          |

## Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 17.5 mm / 0.689 inches |
| Height                            | 90 mm / 3.543 inches   |
| Depth from upper-edge of DIN-rail | 55 mm / 2.165 inches   |

## Mechanical data

|                |                          |
|----------------|--------------------------|
| Housing design | DIN-rail-mount enclosure |
| Mounting type  | DIN-35 rail              |

## Material data

|           |          |
|-----------|----------|
| Color     | gray     |
| Fire load | 0.742 MJ |
| Weight    | 59.4 g   |

## Environmental requirements

|                                                    |                |
|----------------------------------------------------|----------------|
| Ambient temperature (operation at U <sub>N</sub> ) | -25 ... +40 °C |
| Ambient temperature (storage)                      | -40 ... +85 °C |
| Processing temperature                             | -25 ... +50 °C |

## Standards and specifications

|                          |            |
|--------------------------|------------|
| Standards/specifications | EN 60664-1 |
|--------------------------|------------|

## Commercial data

|                   |                          |
|-------------------|--------------------------|
| Product Group     | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0       | 27-14-23-09              |
| eCl@ss 9.0        | 27-14-23-09              |
| ETIM 8.0          | EC001437                 |
| ETIM 7.0          | EC001437                 |
| Recupel Type      |                          |
| PU (SPU)          | 10 (1) pcs               |
| Packaging type    | box                      |
| Country of origin | DE                       |

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

|                       |               |
|-----------------------|---------------|
| GTIN                  | 4017332790222 |
| Customs tariff number | 85364900990   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

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

## Optional accessories

### Tool

|                |
|----------------|
| Operating tool |
|----------------|



**Item no.: 210-720**

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

[www.wago.com/210-720](http://www.wago.com/210-720)

### Jumpers

|        |
|--------|
| Jumper |
|--------|



**Item no.: 789-112**

Jumper; 12-way; silver-colored

[www.wago.com/789-112](http://www.wago.com/789-112)

### Ferrule

|         |
|---------|
| Ferrule |
|---------|



**Item no.: 216-241**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**

Ferrule; Sleeve for 0.75 mm² / 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 mm² / 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 mm² / 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)

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

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## Marking accessories

|                                                                                    |                                                                                                                                                 |                                                                  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Marking device                                                                     |                                                                                                                                                 |                                                                  |
|    | <b>Item no.: 210-110</b><br>Fiber-tip pen                                                                                                       | <a href="http://www.wago.com/210-110">www.wago.com/210-110</a>   |
| Marker                                                                             |                                                                                                                                                 |                                                                  |
|    | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white        | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a> |
|    | <b>Item no.: 248-451</b><br>Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white   | <a href="http://www.wago.com/248-451">www.wago.com/248-451</a>   |
|    | <b>Item no.: 248-455</b><br>Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white       | <a href="http://www.wago.com/248-455">www.wago.com/248-455</a>   |
|    | <b>Item no.: 248-450</b><br>Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white    | <a href="http://www.wago.com/248-450">www.wago.com/248-450</a>   |
|    | <b>Item no.: 248-452</b><br>Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white          | <a href="http://www.wago.com/248-452">www.wago.com/248-452</a>   |
|   | <b>Item no.: 248-453</b><br>Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white | <a href="http://www.wago.com/248-453">www.wago.com/248-453</a>   |
|  | <b>Item no.: 248-454</b><br>Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white   | <a href="http://www.wago.com/248-454">www.wago.com/248-454</a>   |
|  | <b>Item no.: 248-566</b><br>Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white     | <a href="http://www.wago.com/248-566">www.wago.com/248-566</a>   |
|  | <b>Item no.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                         | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>   |
|  | <b>Item no.: 248-504</b><br>Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white   | <a href="http://www.wago.com/248-504">www.wago.com/248-504</a>   |
|  | <b>Item no.: 248-503</b><br>Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white   | <a href="http://www.wago.com/248-503">www.wago.com/248-503</a>   |
|  | <b>Item no.: 248-506</b><br>Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white   | <a href="http://www.wago.com/248-506">www.wago.com/248-506</a>   |
|  | <b>Item no.: 248-502</b><br>Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white    | <a href="http://www.wago.com/248-502">www.wago.com/248-502</a>   |

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



## Downloads

### Documentation

#### Bid Text

|                         |             |                 |          |
|-------------------------|-------------|-----------------|----------|
| 789-570<br>docx - Datei | 2019 Feb 20 | docx<br>16.9 kB | Download |
|-------------------------|-------------|-----------------|----------|

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| 789-570<br>X81 - Datei | 2019 Feb 19 | xml<br>5.0 kB | Download |
|------------------------|-------------|---------------|----------|

#### Instruction Leaflet

|  |  |               |          |
|--|--|---------------|----------|
|  |  | pdf<br>1.3 MB | Download |
|--|--|---------------|----------|

#### Additional Information

|                                                                                     |                        |               |          |
|-------------------------------------------------------------------------------------|------------------------|---------------|----------|
| Disposal and Recycling<br>Electrical and electronic equipment, Batteries, Packaging | V 1.1.0<br>2022 Aug 18 | pdf<br>2.2 MB | Download |
|-------------------------------------------------------------------------------------|------------------------|---------------|----------|

## CAD/CAE-Data

### CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 789-570 | URL | Download |
|---------------------------|-----|----------|

|                        |     |          |
|------------------------|-----|----------|
| WSCAD Universe 789-570 | URL | Download |
|------------------------|-----|----------|

|                      |     |          |
|----------------------|-----|----------|
| ZUKEN Portal 789-570 | URL | Download |
|----------------------|-----|----------|

### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 789-570 | URL | Download |
|----------------------|-----|----------|

#### Asset Administration Shell

|                                    |     |          |
|------------------------------------|-----|----------|
| Asset Administration Shell 789-570 | URL | Download |
|------------------------------------|-----|----------|

## Environmental Product Compliance

### Compliance Search

|                                          |     |          |
|------------------------------------------|-----|----------|
| Environmental Product Compliance 789-570 | URL | Download |
|------------------------------------------|-----|----------|

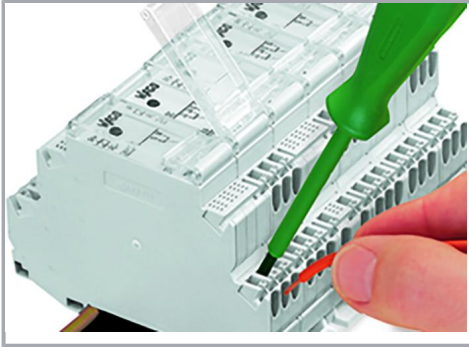
Subject to changes. Please also observe the further product documentation!

Latching relay module; Nominal input voltage: 230 VAC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 18 mm; 2,50 mm<sup>2</sup>; gray

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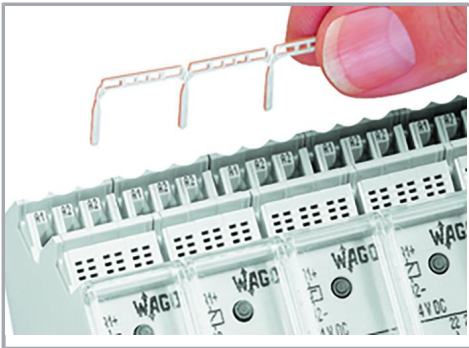
## Installation Notes

### Conductor termination



Inserting a conductor.

### Commoning



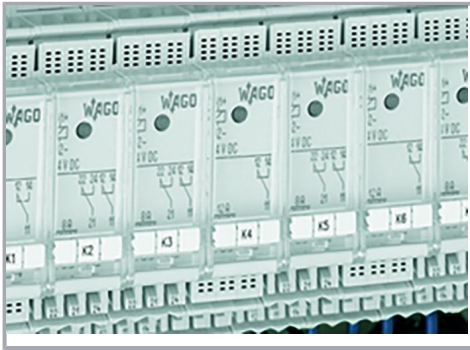
Easy commoning via adjacent jumpers.

### Marking

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

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Marking via Mini-WSB Quick Marking System.

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

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