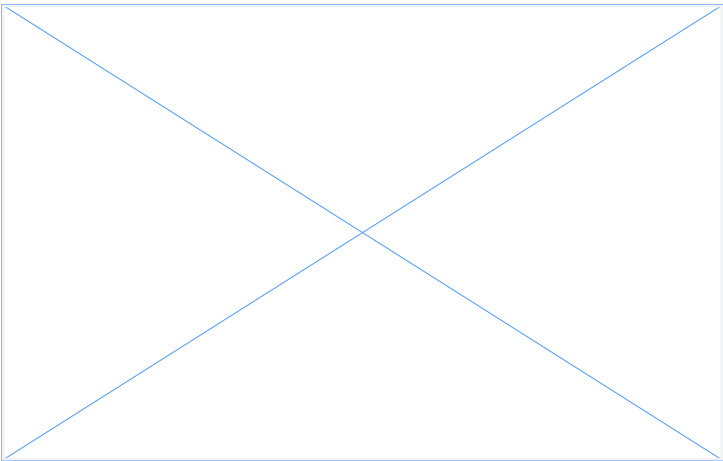
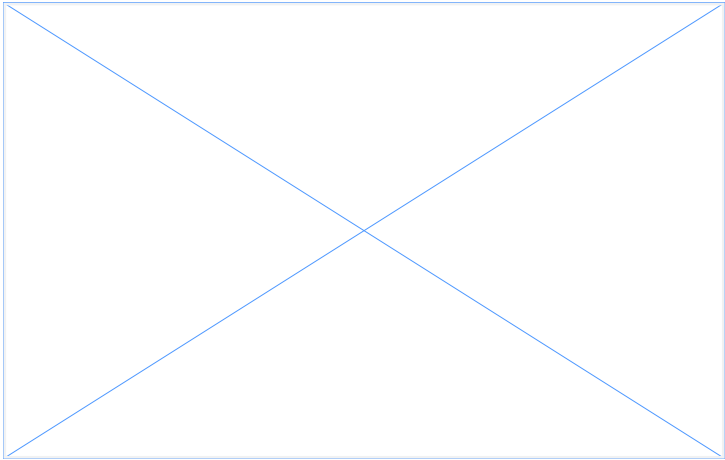
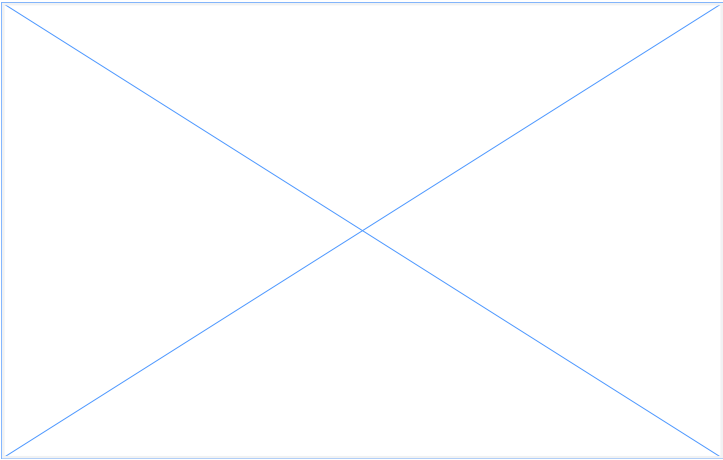


Data Sheet | Item Number: 789-1549

Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 8 A; with manual operation; Red status indicator; Module width: 18 mm; 2,50 mm<sup>2</sup>

<https://www.wago.com/789-1549>



Load limit curve

| Notes |  |   |
|-------|--|---|
| Note  |  | To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit. |

| Technical data                          |          |  |  |
|---|----------|--|--|
| Control circuit                         |          | Load circuit                             |  |
| Nominal input voltage U <sub>N</sub>    | AC 230 V | Number of changeover/switchover contacts | 2  |
| Input voltage range                     | ±10 %    | Contact material (relay)                 | AgNi                                     |
| Nominal input current at U <sub>N</sub> | 4 mA     | Limiting continuous current              | 8 A                                      |
|   |          | Inrush current (resistive) max.          | (AC) 16 A / 0.02 s; (AC) 12 A / 4 s      |
|   |          | Switching voltage (max.)                 | AC 250 V                                 |
|   |          | Switching power (resistive) max.         | AC 2000 VA; DC (see load limit curve)    |
|   |          | Recommended minimum load                 | 12 V / 10 mA                             |
|   |          | Pull-in time (typ.)                      | 15 ms                                    |
|   |          | Drop-out time (typ.)                     | 8 ms                                     |
|   |          | Bounce time (typ.)                       | 7 ms                                     |
|   |          | Mechanical life                          | 5 x 10 <sup>6</sup> switching operations |



| 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) | 3.5 kVrms |
| Dielectric strength (open contact) (AC, 1 min)         | 1 kVrms   |
| Dielectric strength (load/load circuit) (AC, 1 min)    | 1.5 kVrms |
| Protection type  | IP20      |

| Connection data         |                                    |
|-------------------------|------------------------------------|
| Connection technology   | CAGE CLAMP®                        |
| Solid conductor         | 0.2 ... 2.5 mm² / 24 ... 14 AWG    |
| Fine-stranded conductor | 0.2 ... 2.5 mm² / 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        |  |
|----------------------|--|
| Note (material data) | <a href="#">Information on material specifications can be found here</a> |
| Fire load            | 2.925 MJ   |
| Weight               | 59.5 g   |

| Environmental requirements                         |                |
|--|----------------|
| Ambient temperature (operation at U <sub>N</sub> ) | -25 ... +50 °C |
| Ambient temperature (storage)                      | -40 ... +70 °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                 |
| PU (SPU)              | 10 (1) pcs               |
| Packaging type        | Box                      |
| Country of origin     | DE                       |
| GTIN                  | 4050821386797            |
| Customs tariff number | 85364900990              |

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-1549

↓

| Documentation |            |                  |                     |
|---------------|------------|------------------|---------------------|
| Bid Text      |            |                  | Instruction Leaflet |
| 789-1549      | 19.02.2019 | xml<br>4.48 KB   | pdf<br>1246.19 KB   |
| 789-1549      | 20.02.2019 | docx<br>17.05 KB |                     |

| CAD/CAE-Data             |                               |
|--------------------------|-------------------------------|
| CAD data                 | CAE data                      |
| 2D/3D Models<br>789-1549 | EPLAN Data Portal<br>789-1549 |
|                          | WSCAD Universe<br>789-1549    |
|                          | ZUKEN Portal<br>789-1549      |







1 Compatible Products

1.1 Optional Accessories


1.1.1 Ferrule

1.1.1.1 Ferrule

|  |  |  |  |
|--|--|--|--|
|    |   |    |   |
| <p><b>Item No.: 216-241</b><br/>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</p> | <p><b>Item No.: 216-242</b><br/>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</p> | <p><b>Item No.: 216-243</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p> | <p><b>Item No.: 216-244</b><br/>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</p> |














1.1.2 Jumper

1.1.2.1 Jumper


|  |
|--|
|  |
| <p><b>Item No.: 789-112</b><br/>Jumper; 12-way; silver-colored</p>               |

1.1.3 Marking

1.1.3.1 Marker

|   |   |   |   |
|---|---|---|---|
|   |    |   |    |
| <p><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</p>      | <p><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</p>  | <p><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</p>     | <p><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</p> |
|   |    |   |    |
| <p><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</p> | <p><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</p> | <p><b>Item No.: 248-452</b><br/>Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white</p>          | <p><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</p>  |
|   |    |   |    |
| <p><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</p> | <p><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</p>     | <p><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</p> | <p><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</p> |
|   |   |   |   |
| <p><b>Item No.: 248-501</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>                                       |   |   |   |

1.1.3.2 Marking device

|  |
|--|
|  |
| <p><b>Item No.: 210-110</b><br/>Fiber-tip pen</p>                                  |

1.1.4 Tool

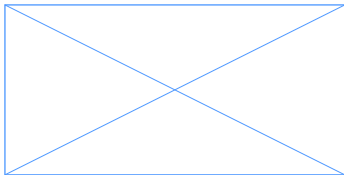
1.1.4.1 Operating tool



**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

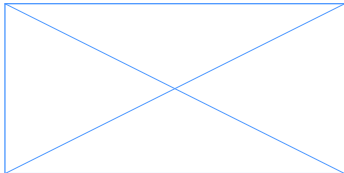
Installation Notes

Conductor termination



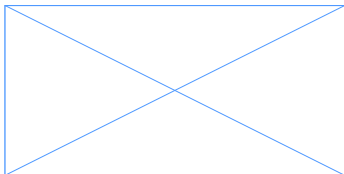
Inserting a conductor.

Commoning



Easy commoning via adjacent jumpers.

Marking



Marking via Mini-WSB Quick Marking System.