

## Data sheet | Item number: 789-1549

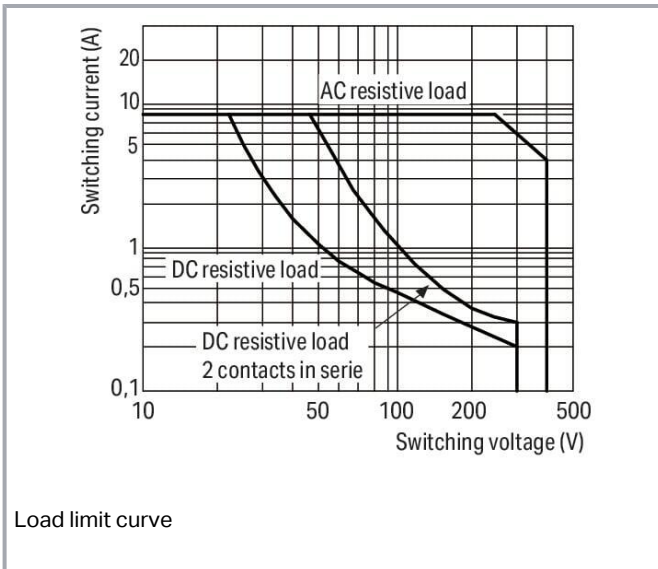
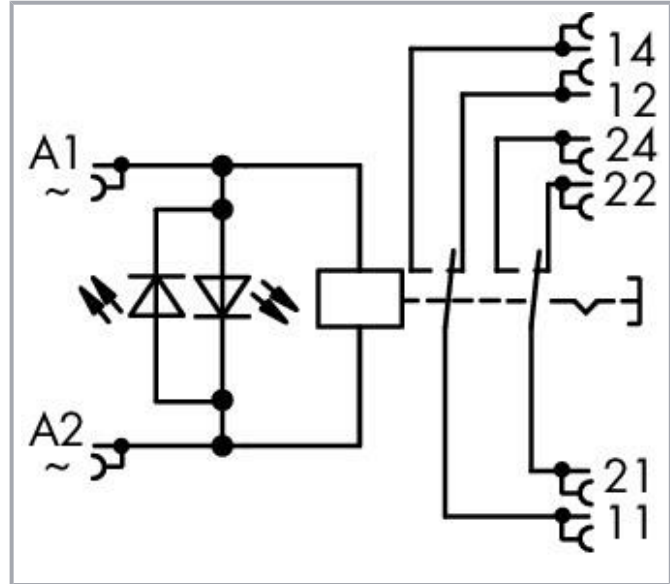
Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts;  
Limiting continuous current: 8 A; with manual operation; Red status indicator;  
Module width: 18 mm; 2,50 mm<sup>2</sup>



[www.wago.com/789-1549](http://www.wago.com/789-1549)



Similar to picture



Load limit curve

## Data

## Notes

Note

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



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

## Technical data

### Control Circuit

Nominal input voltage $U_N$	AC 230 V
Input voltage range	$\pm 10\%$
Nominal input current at $U_N$	4 mA

### Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi
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	$5 \times 10^6$ 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

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



## Connection data

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

Mounting type	DIN-35 rail
---------------	-------------

## Material Data

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

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


Country of origin	DE
GTIN	4050821386797
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 Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

## Optional accessories

### Marking accessories

Marking devices			
	<b>Item no.: 210-110</b> Fiber-tip pen		<a href="http://www.wago.com/210-110">www.wago.com/210-110</a>
Marker			
	<b>Item no.: 2009-145</b> 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> 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> 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> 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> 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> 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>

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

	<b>Item no.: 248-454</b> 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> 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> 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> 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> 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> 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> 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>


## Jumpers

### Jumper

	<b>Item no.: 789-112</b> Jumper; 12-way; silver-colored	<a href="http://www.wago.com/789-112">www.wago.com/789-112</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>
--	--	--

## 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>

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



## Downloads

### Documentation

#### Bid Text

789-1549 docx - Datei	2019 Feb 20	docx 17.5 kB	Download
--------------------------	-------------	-----------------	----------

789-1549 X81 - Datei	2019 Feb 19	xml 4.6 kB	Download
-------------------------	-------------	---------------	----------

#### Instruction Leaflet

		pdf 1.3 MB	Download
--	--	---------------	----------

#### Additional Information

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

## CAD/CAE-Data

### CAE data

EPLAN Data Portal 789-1549		URL	Download
----------------------------	--	-----	----------

WSCAD Universe 789-1549		URL	Download
-------------------------	--	-----	----------

ZUKEN Portal 789-1549		URL	Download
-----------------------	--	-----	----------

### CAD data

2D/3D Models 789-1549		URL	Download
-----------------------	--	-----	----------

## Environmental Product Compliance

### Compliance Search

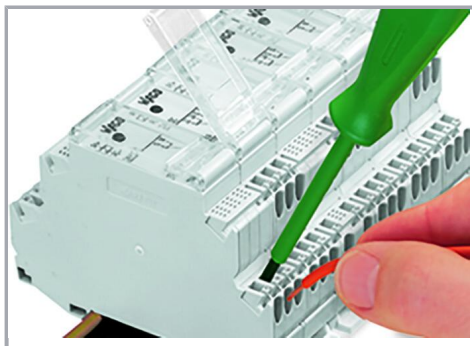
Environmental Product Compliance 789-1549		URL	Download
---	--	-----	----------

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>

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

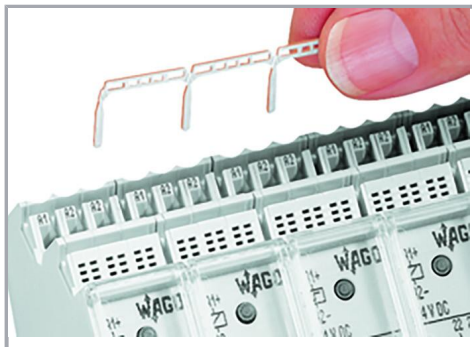
## Installation Notes

### Conductor termination



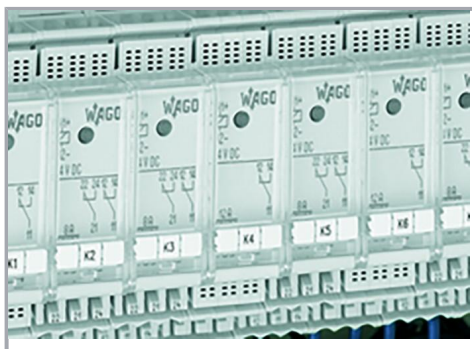
Inserting a conductor.

### Commoning



Easy commoning via adjacent jumpers.

### Marking



Marking via Mini-WSB Quick Marking System.

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