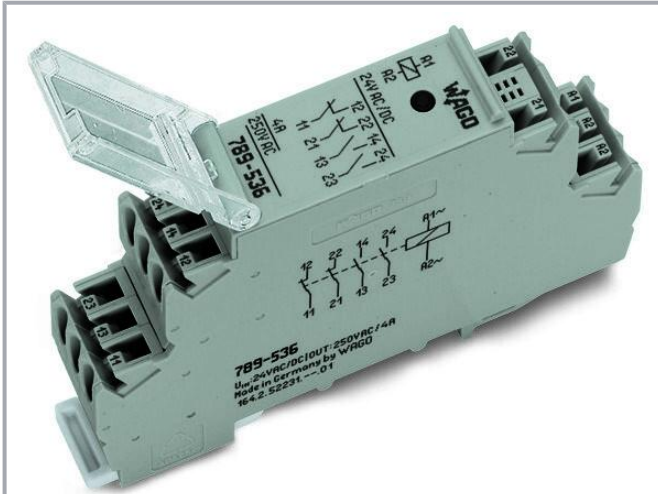


**Data sheet | Item number: 789-552**

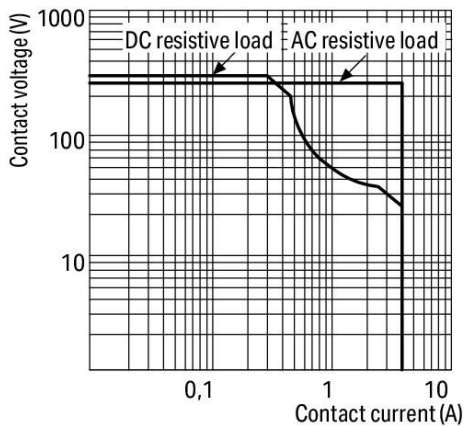
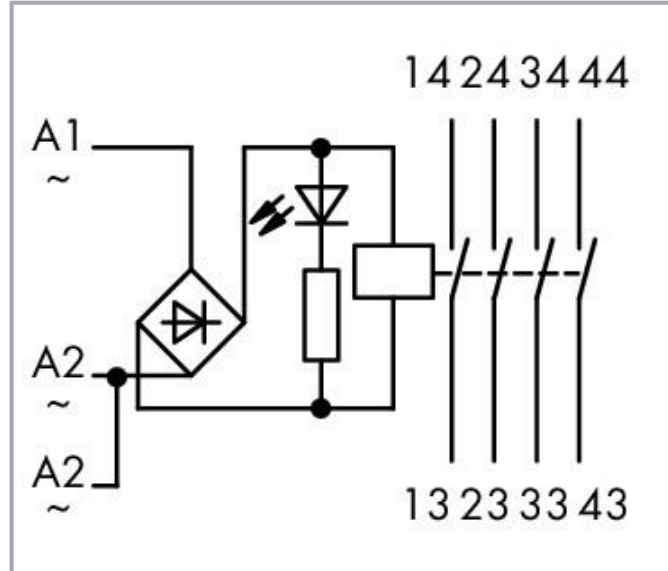
Relay module; Nominal input voltage: 24 V AC/DC; 4 make contacts; Limiting continuous current: 4 A; Red status indicator; Module width: 18 mm; 2,50 mm<sup>2</sup>; gray

[www.wago.com/789-552](http://www.wago.com/789-552)



*i* Picture differs from the item.

Color: ■



Load limit curve

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

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## Item description

### Short description:

WAGO's switching relays (789 Series) serve a wide variety of applications, from basic lighting control – homes, hotels and commercial structures – to comprehensive industrial control cabinets. Just 17.5 mm (0.689 inch) wide, the compact DIN-rail-mount enclosure is ideal for distribution boards and meter cabinets.

## Data

### Notes

Note	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/DC 24 V
Input voltage range	-15 ... +10 %
Nominal input current at $U_N$	12 mA

### Load circuit

Number of make/switch-on contacts	4
Contact material (relay)	AgNi + Au
Limiting continuous current	4 A
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 1000 VA; DC (see load limit curve)
Recommended minimum load	0.1 V / 0.1 mA
Pull-in time (typ.)	20 ms
Drop-out time (typ.)	20 ms
Bounce time (typ.)	1 ms
Mechanical life	10 x 10 <sup>6</sup> switching operations

## Signaling

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

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



## Safety and protection

Rated voltage	230 V
Rated surge voltage	2.5 kV
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	1.5 kVrms
Dielectric strength (open contact) (AC, 1 min)	0.75 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	1 kVrms
Protection type	IP20

## 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

Color	gray
Fire load	1.032 MJ
Weight	51.9 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
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Subject to changes. Please also observe the further product documentation!

EN 61810-1

## 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	4017332929738
Customs tariff number	85364900990

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## 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

### 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)

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

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## 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>

## 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>
	<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>

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

	<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>

## Downloads

### Documentation

#### Bid Text

789-552 docx - Datei	2019 Feb 20	docx 17.5 kB	Download
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789-552 X81 - Datei	2019 Feb 19	xml 5.0 kB	Download
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#### Instruction Leaflet

		pdf 1.3 MB	Download
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#### Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 789-552	URL	Download
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### CAE data

EPLAN Data Portal 789-552	URL	Download
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WSCAD Universe 789-552	URL	Download
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 789-552

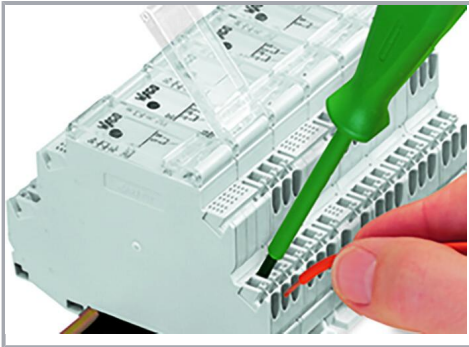
[URL](#)

[Download](#)

Relay module; Nominal input voltage: 24 V AC/DC; 4 make contacts; Limiting continuous current: 4 A; Red status indicator; Module width: 18 mm; 2,50 mm<sup>2</sup>; gray

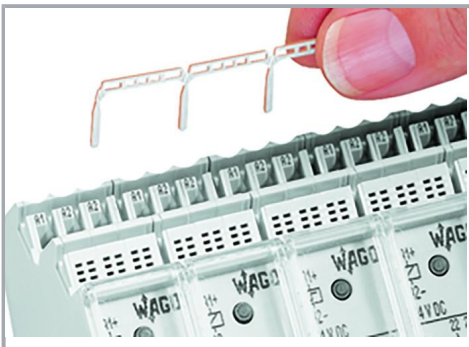
## Installation Notes

### Conductor termination



Inserting a conductor.

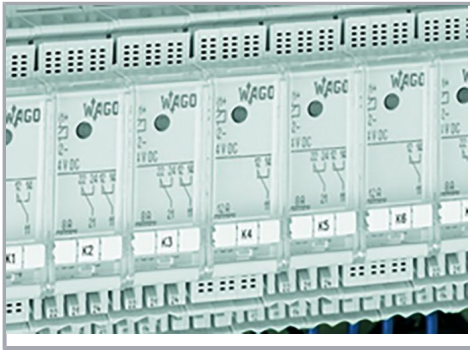
### Commoning



Easy commoning via adjacent jumpers.

### Marking

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



Marking via Mini-WSB Quick Marking System.

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

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