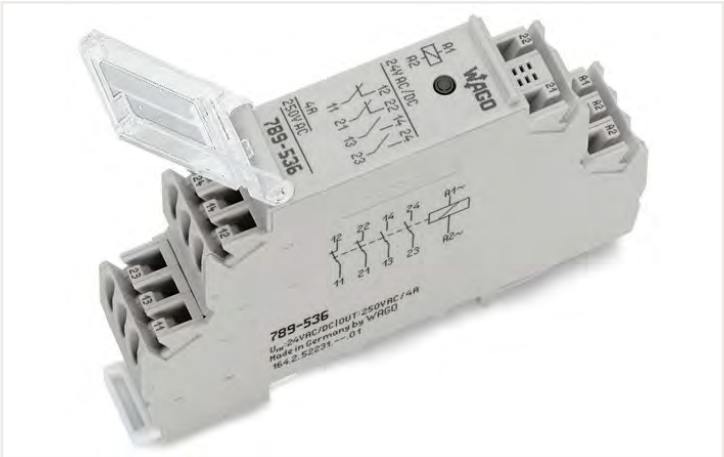


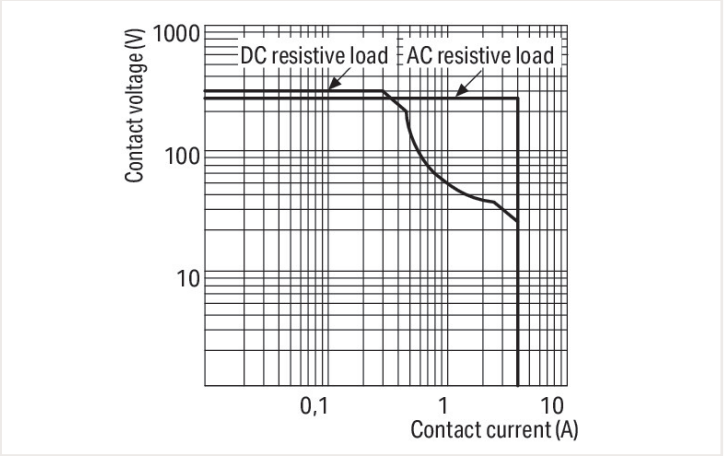
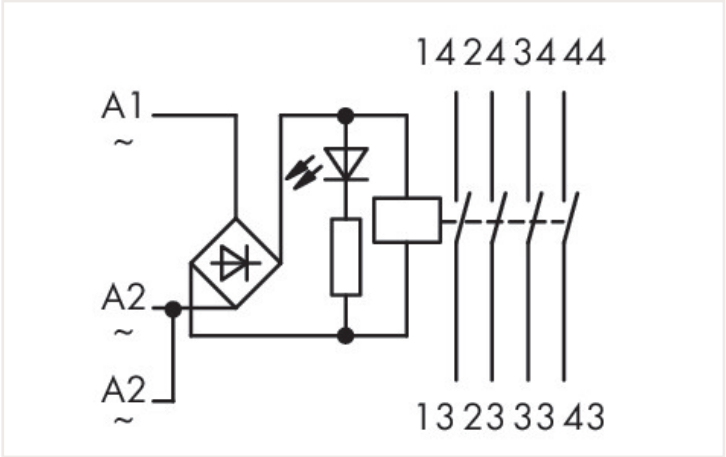
|: 789-552

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 mm²; gray



: ■ gray

Similar to illustration



Load limit curve

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.

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_N	AC/DC 24 V	Number of make/switch-on contacts	4
Input voltage range	-15 ... +10 %	Contact material (relay)	AgNi + Au
Nominal input current at U_N	12 mA	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

Load circuit

Mechanical life	10 x 10 ⁶ switching operations
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Signaling

Status indicator	Red LED
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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 ² / 24 ... 14 AWG
Fine-stranded conductor	0.2 ... 2.5 mm ² / 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
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Material data

Color	gray
Fire load	1.032 MJ
Weight	51.9 g

Environmental requirements

Ambient temperature (operation at U _N)	-25 ... 40 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Processing temperature	-25 ... +50 °C

Standards and specifications

Standards/specifications	EN 60664-1 EN 61810-1
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Commercial data

Product Group	6 (Interface Electronics)
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) Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4017332929738
Customs tariff number VKOrg Germany	85364900990

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 789-552



Documentation

Additional Information

Disposal; Electrical and
electronic equipment,
Packaging

V 1.0.0

pdf

259.56 KB



Bid Text

789-552

19.02.2019

xml

4.84 KB



789-552

20.02.2019

docx

17.10 KB



Instruction Leaflet

pdf

1246.19 KB



CAD/CAE-Data

CAD data

2D/3D Models 789-552



CAE data

EPLAN Data Portal
789-552



WSCAD Universe
789-552



ZUKEN Portal 789-552



1 Compatible products

1.1 Optional accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



: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



: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



: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



: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

1.1.2 Jumper

1.1.2.1 Jumper



:789-112
Jumper; 12-way; silver-colored

1.1.3 Marking

1.1.3.1 Marker



:2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



:248-502
Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-566
Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white



:248-503
Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-504
Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-506
Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-452
Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white



:248-450
Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-451
Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-455
Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-453
Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-454
Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white



:248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.3.2 Marking devices



:210-110
Fiber-tip pen

1.1.4 Tool

1.1.4.1 Operating tool



: [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.