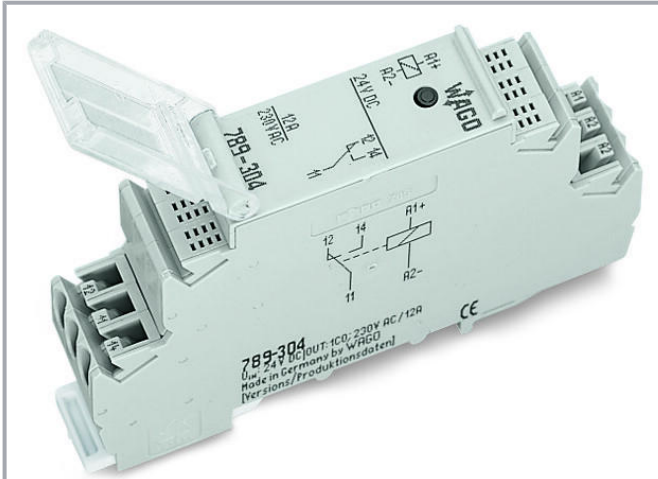


Data sheet | Item number: 789-520

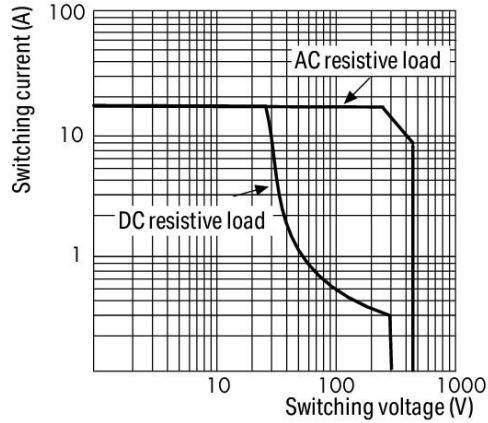
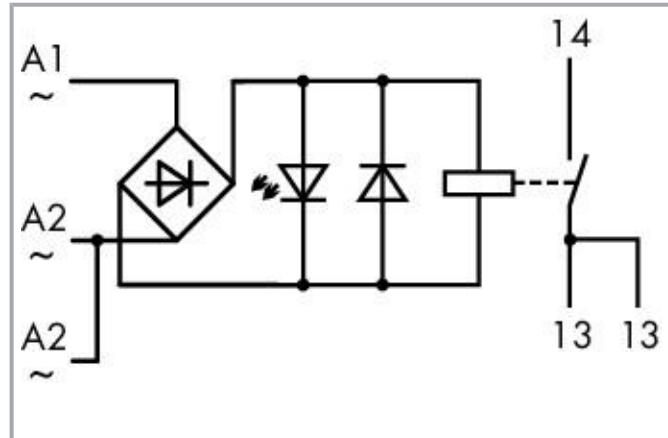
Relay module; Nominal input voltage: 24 VAC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 18 mm

www.wago.com/789-520



i Picture differs from the item.

Similar to picture



Load limit curve

Data Notes

Note

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: 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/DC 24 V
Input voltage range	-15 ... +20 %
Nominal input current at U_N	32 mA

Load circuit

Number of make/switch-on contacts	1
Contact material (relay)	AgSnO ₂
Limiting continuous current	16 A
Inrush current (resistive) (max.)	(AC) 120 A / 0.05 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) (max.)	AC 4000 VA; DC (see load limit curve)
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	5 ms
Mechanical life	10 x 10 ⁶ switching operations

Signaling

Status indicator	Red LED
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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
Dielectric strength, open contact (AC, 1 min)	1 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 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 inch

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	1.185 MJ
Weight	53.8 g

Environmental requirements

Surrounding air temperature (operation at U _N)	-25 ... 40 °C
Surrounding air temperature (storage)	-40 ... 70 °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)
PU (SPU)	10 (1) Stück
Packaging type	box
Country of origin	DE
GTIN	4050821421665
Customs tariff number	85364900990















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Optional accessories

Marking accessories

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

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

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
Ferrule		
Ferrule		
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
Jumpers		
Jumper		
	Item no.: 789-112 Jumper; 12-way; silver-colored	www.wago.com/789-112

Downloads

Documentation

Bid Text

789-520	2019. 2. 20.	docx	Download
docx - Datei		17.2 kB	

789-520	2019. 2. 19.	xml	Download
X81 - Datei		4.5 kB	

Instruction Leaflet

		pdf	Download
		1.3 MB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

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

CAD/CAE-Data

CAE data

WSCAD Universe 789-520	URL	Download
ZUKEN Portal 789-520	URL	Download
EPLAN Data Portal 789-520	URL	Download

CAD data

2D/3D Models 789-520	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-520	URL	Download
Relay module; Nominal input voltage: 24 VAC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 18 mm		

Installation Notes

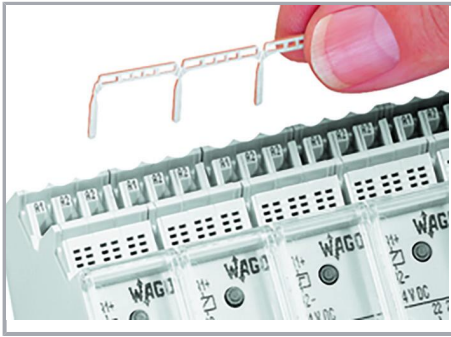
Conductor termination



Inserting a conductor.

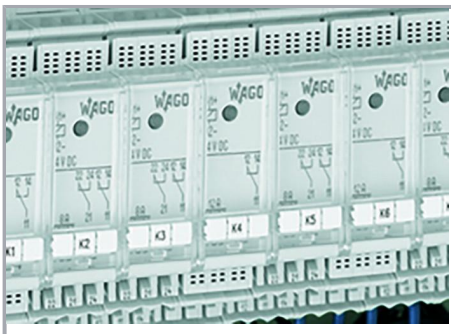
Commoning

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



Easy commoning via adjacent jumpers.

Marking



Marking via Mini-WSB Quick Marking System.

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