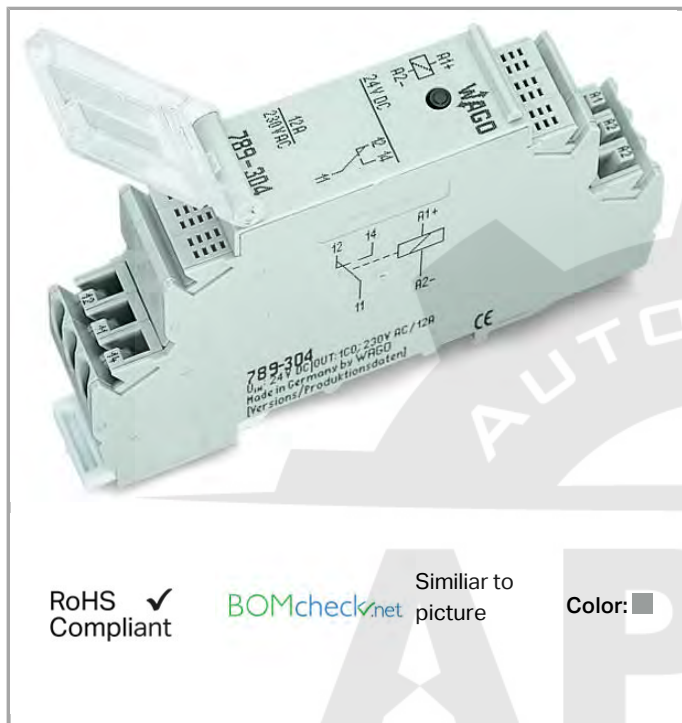


Data sheet | Item number: 789-304

Relay module; Nominal input voltage: 24 VDC; 1 changeover contact;
Limiting continuous current: 12 A; Red status indicator; Module width: 18 mm



789-304

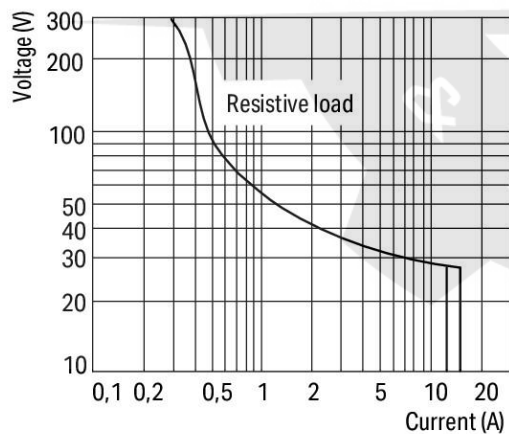
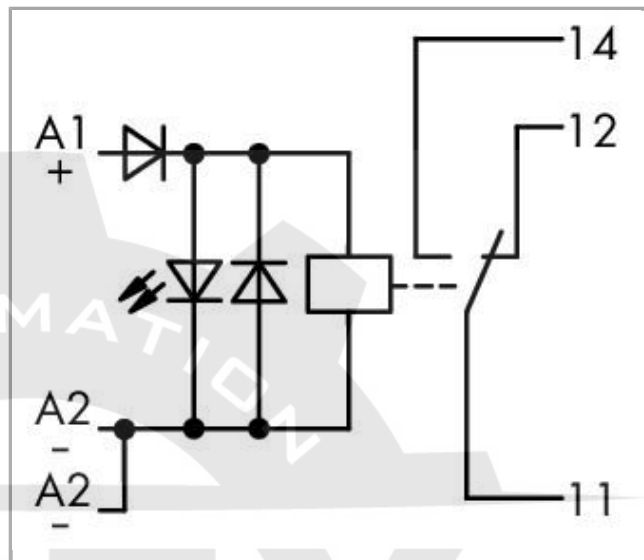


RoHS
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Color: ■



DC load limit curve

Item description

Short description:

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

Note:

Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.

Data**Technical Data****Control circuit**

Nominal input voltage U_N	DC 24 V
Input voltage range	-15 ... +10 %
Nominal input current at U_N	19 mA

Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	12 A
Max. make current (resistive)	(AC) 30 A / 4 s
Max. switching voltage	AC 250 V
Max. switching power (resistive)	AC 3,000 VA; DC see load limit curve
Recommended minimum load	12 V / 10 mA
Min. switching current	0 μ A
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ)	6 ms
Drop-out time	$\leq 0 \mu$ s
Mechanical life (N.O.; resistive load; 23 °C)	3×10^6 switching operations

Signaling

Status indication	LED red
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Safety and protection:

Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	2
Dielectric strength, control/load circuit (AC, 1 min)	5 kVrms

Dielectric strength open contact (AC, 1 min)	1 kVrms
Protection class	IP20

Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

Geometrical Data

Width	17.5 mm / 0.689 inch
Height from upper-edge of DIN-35 rail	55 mm / 2.165 inch
Depth	90 mm / 3.543 inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	gray
Fire load	0MJ
Weight	50.453 g

Environmental Requirements

Pollution degree	2
Surrounding air (operating) temperature at U _N	-25 ... 40 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications

Standards/specifications	EN 60664-1
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Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4045454313005
Customs Tariff No.	85364900990

Compatible products

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	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	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	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	216-244

Marking accessories

	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-002
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-005
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-006
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-007
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-023
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-024
	Item no.: 210-110 Fiber-tip pen	210-110
	Item no.: 248-450	

	Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type		248-450
	Item no.: 248-451 Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type		248-451
	Item no.: 248-452 Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type		248-452
	Item no.: 248-453 Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type		248-453
	Item no.: 248-454 Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type		248-454
	Item no.: 248-455 Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type		248-455
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card		248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-002	248-501
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-005	248-501
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-006	248-501
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-007	248-501
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-012	248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-017	248-501
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-023	248-501
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-024	248-501
	Item no.: 248-502 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type		248-502
	Item no.: 248-502/000-024		



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

/000-024

248-502

**Item no.: 248-503**

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

248-503

**Item no.: 248-503/000-024**

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

/000-024

248-503

**Item no.: 248-504**

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

248-504

**Item no.: 248-504/000-024**

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

/000-024

248-504

**Item no.: 248-505/000-024**

Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type

/000-024

248-505

**Item no.: 248-506**

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

248-506

**Item no.: 248-566**

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

248-566

Jumper**Item no.: 789-112**

Push-in type jumper bar; 12-way; Nominal current 16 A; unplated

789-112

tools**Item no.: 210-720**

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

Downloads**Documentation****Bid Text**

789-304

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Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

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