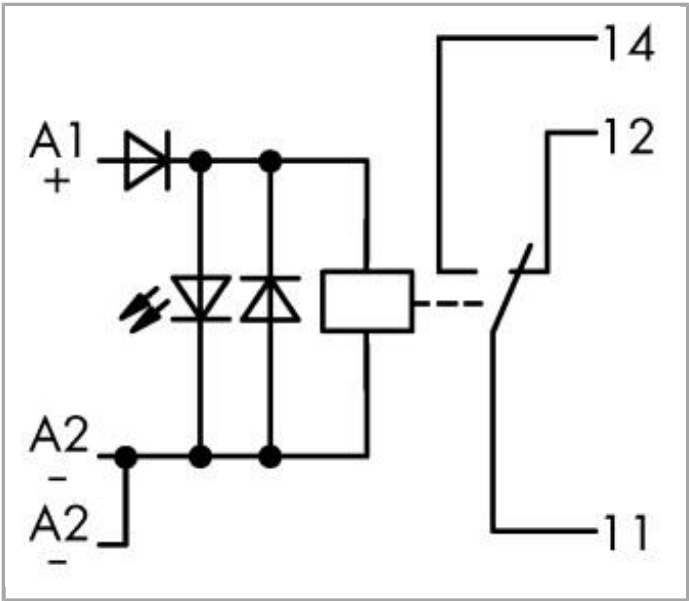
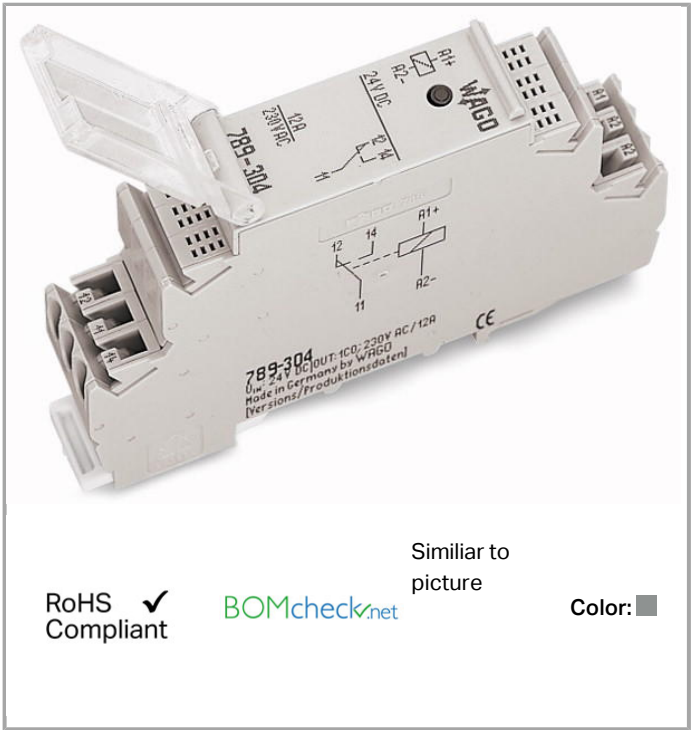


Data sheet | Item number: 789-304

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



www.wago.com/789-304



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	24 VDC
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)	4 s 25 A (AC)
Max. switching voltage	250 VAC
Max. switching power (resistive)	3000 VAAC; DC see load limit curve
Recommended minimum load	12 V / 100 mA
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	6 ms
Bounce time (typ)	6 ms
Mechanical life (N.O.; resistive load; 23 °C)	3 x 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 kV _{rms}
Dielectric strength, control/load circuit (AC, 1 min)	5 kV _{rms}
Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Dielectric strength open contact (AC, 1 min)	1 kV _{rms}
Degree of protection	IP20

Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 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	0.733 MJ
Weight	50.453 g

Environmental Requirements

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

Standards and specifications

Standards/specifications	EN 60664-1
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Commercial data

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

Compatible products

Jumper



Item no.: 789-112
Push-in type jumper bar; 12-way; Nominal current 16 A; unplated

www.wago.com/789-112

ferrule



Item no.: 216-241
Ferrule; Sleeve for 0.5 mm² / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

www.wago.com/216-241



Item no.: 216-242
Ferrule; Sleeve for 0.75 mm² / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

www.wago.com/216-242



Item no.: 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

www.wago.com/216-243



Item no.: 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

www.wago.com/216-244

tools

**Item no.: 210-720**

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

www.wago.com/210-720**Marking accessories****Item no.: 2009-145**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145**Item no.: 2009-145/000-002**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145/000-002**Item no.: 2009-145/000-005**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145/000-005**Item no.: 2009-145/000-006**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145/000-006**Item no.: 2009-145/000-007**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145/000-007**Item no.: 2009-145/000-012**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/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

www.wago.com/2009-145/000-023**Item no.: 2009-145/000-024**

Mini-WSB Inline; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

www.wago.com/2009-145/000-024**Item no.: 210-110**

Fiber-tip pen

www.wago.com/210-110**Item no.: 248-450**

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

www.wago.com/248-450**Item no.: 248-451**

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

www.wago.com/248-451**Item no.: 248-452**

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

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

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

www.wago.com/248-454**Item no.: 248-455**

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

www.wago.com/248-455

**Item no.: 248-501**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

www.wago.com/248-501**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-002**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; plain; snap-on type

www.wago.com/248-501/000-005**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-006**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-007**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-012**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-017**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-023**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

www.wago.com/248-501/000-024**Item no.: 248-502**

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

www.wago.com/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

www.wago.com/248-502/000-024**Item no.: 248-503**

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

www.wago.com/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

www.wago.com/248-503/000-024**Item no.: 248-504/000-024**

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

www.wago.com/248-504/000-024**Item no.: 248-505/000-024**

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

www.wago.com/248-505/000-024**Item no.: 248-506**



Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type www.wago.com/248-506



Item no.: 248-566

Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type www.wago.com/248-566

Downloads

Documentation

Bid Text

789-304	Jan 15, 2016	DOC	Download
Relaisbaustein		27.1 kB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018		Download
		265.8 kB	

smartDATA

CAD data

3D Download 789-304	URL	Download
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Subject to changes.

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