

Data sheet | Item number: 789-1544

Relay module; Nominal input voltage: 230 VAC; 1 changeover contact;
Limiting continuous current: 12 A; with manual operation; Red status
indicator; Module width: 18 mm



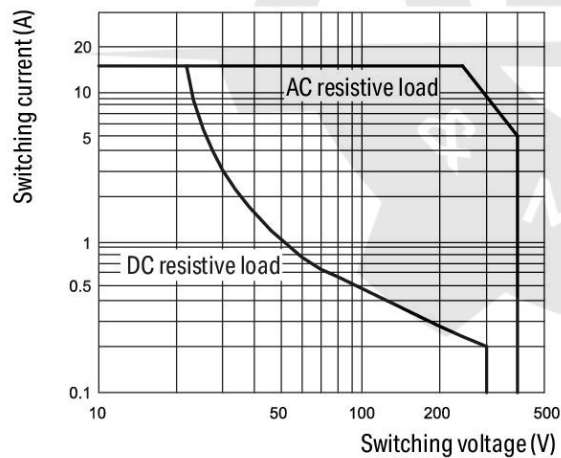
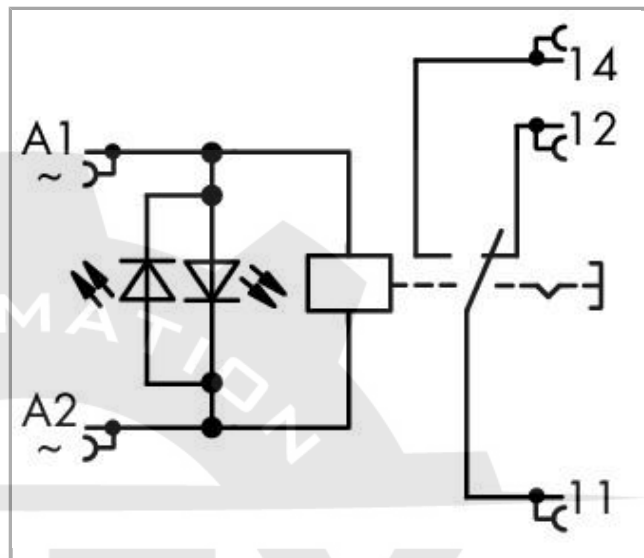
789-1544



RoHS Compliant

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Similar to picture



Load limit curve

Item description

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	AC 230 V
Input voltage range	$\pm 10\%$
Nominal input current at U_N	3.5 mA

Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi
Limiting continuous current	12 A
Max. make current (resistive)	(AC) 30 A / 0.02 s; (AC) 24 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
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	8 ms
Bounce time (typ.)	6 ms
Mechanical life (N.O.; resistive load; 23 °C)	5×10^6 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)	3.5 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
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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

Fire load	0 MJ
Weight	50.2 g

Environmental Requirements

Pollution degree	2
Surrounding air (operating) temperature at U _N	-25 ... 50 °C
Surrounding air (storage) temperature	-40 ... 70 °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	4050821386780
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
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	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
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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

type

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

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

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

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

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

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

210-720

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

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

789-112

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Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

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Subject to changes.