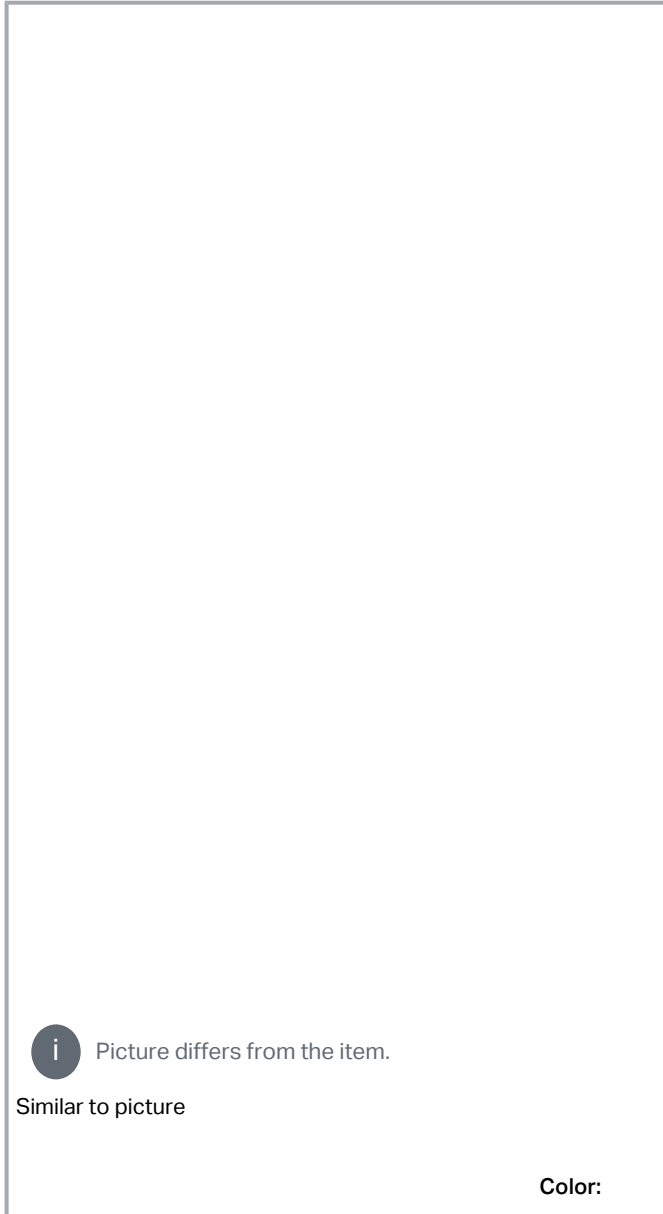


Data sheet | Item number: 789-508

Relay module; Nominal input voltage: 230 VAC; 1 changeover contact;
Limiting continuous current: 12 A; Red status indicator; Module width: 18
mm; 2,50 mm²; gray

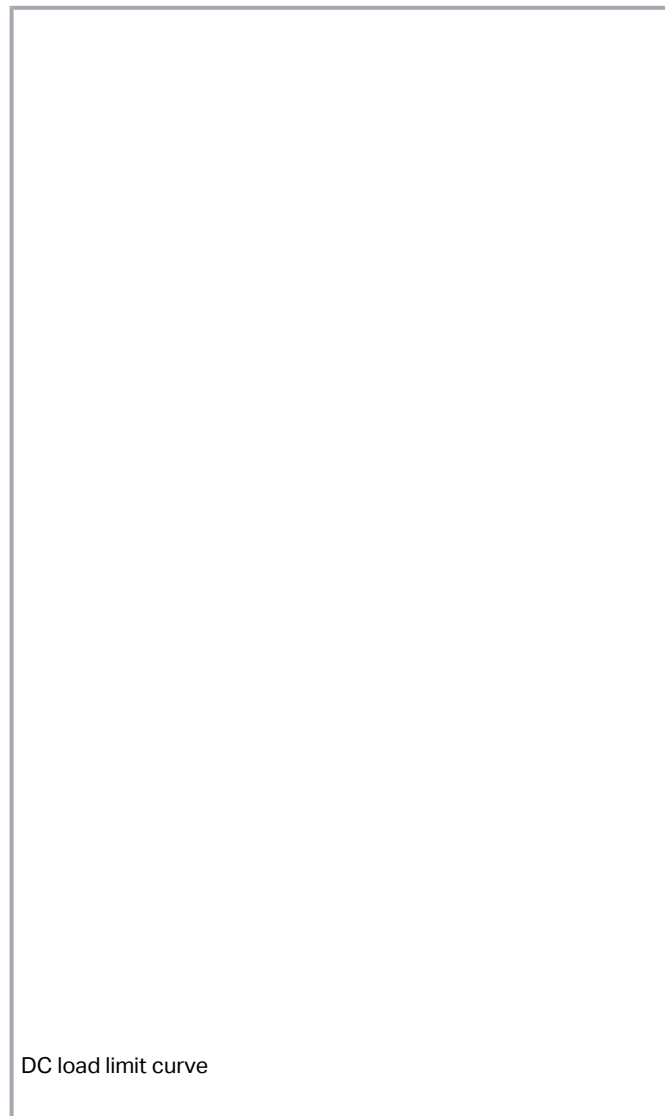
www.wago.com/789-508



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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

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.

Data

Notes

Note

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



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 230 V
Input voltage range	-15 ... +10 %
Nominal input current at U_N	5 mA

Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi 90/10
Limiting continuous current	12 A
Inrush current (resistive) max.	(AC) 30 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 3000 VA; DC (see load limit curve)
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	15 ms
Bounce time (typ.)	3 ms
Mechanical life	10 x 10 ⁶ switching operations

Signaling

Status indicator	Red
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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)	5 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 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

Housing design	DIN-rail-mount enclosure
Mounting type	DIN-35 rail

Material Data

Color	gray
Fire load	0.741 MJ
Weight	49.2 g

Environmental requirements

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

Standards and specifications

Standards/specifications	EN 60664-1
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
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) pcs

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



Packaging type	box
Country of origin	DE
GTIN	4017332819398
Customs tariff number	85364900990

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a)

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02.B.00122/19

Optional accessories

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

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

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



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

Jumpers

Jumper	
Item no.: 789-112 Jumper; 12-way; silver-colored	www.wago.com/789-112

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

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



Downloads Documentation

Bid Text

789-508 docx - Datei	2019 年2月20 日	docx 16.7 kB	Download
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789-508 X81 - Datei	2019 年2月19 日	xml 4.2 kB	Download
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Instruction Leaflet

		pdf 1.3 MB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 789-508		URL	Download
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CAE data

EPLAN Data Portal 789-508		URL	Download
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ZUKEN Portal 789-508		URL	Download
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WSCAD Universe 789-508		URL	Download
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Environmental Product Compliance

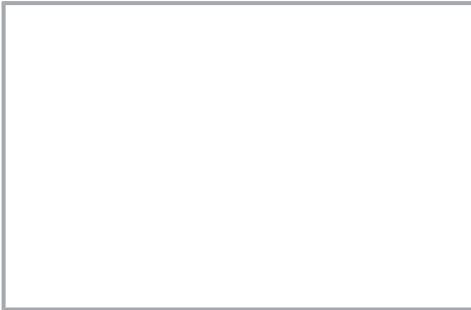
Compliance Search

Environmental Product Compliance 789-508 Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 12 A; Red status indicator; Module width: 18 mm; 2,50 mm ² ; gray		URL	Download
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Subject to changes. Please also observe the further product documentation!

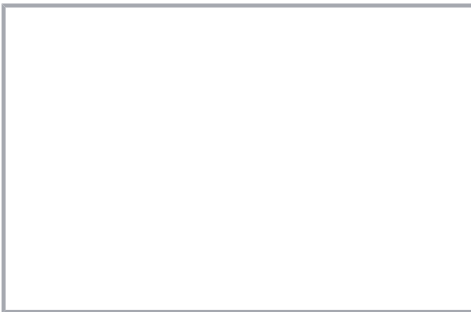
Installation Notes

Conductor termination



Inserting a conductor.

Commoning



Easy commoning via adjacent jumpers.

Marking



Marking via Mini-WSB Quick Marking System.

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