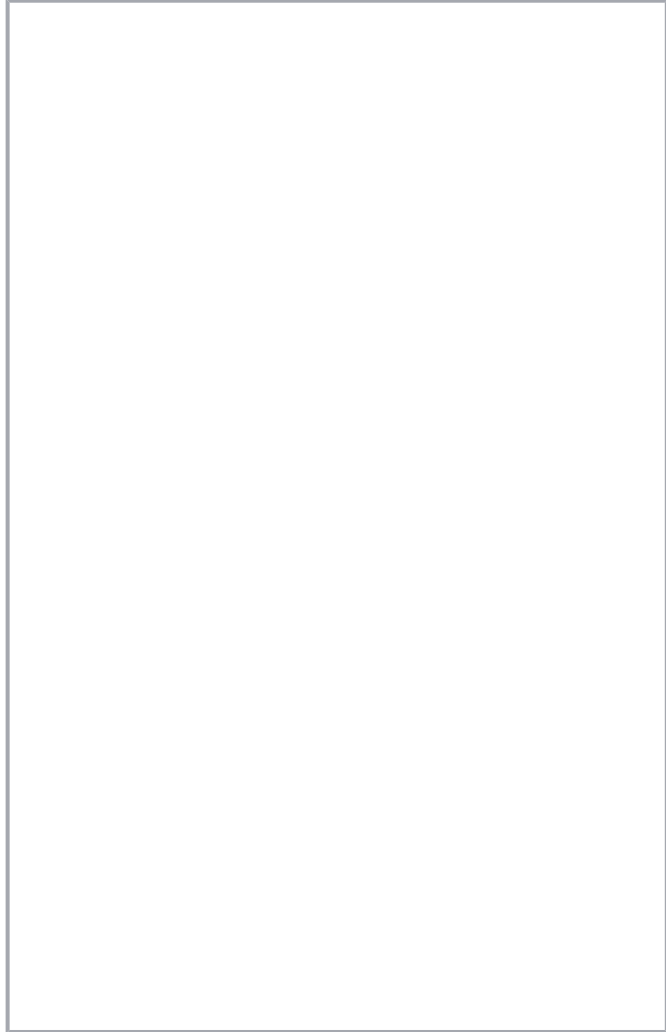


Data sheet | Item number: 788-347

Relay module; Nominal input voltage: 48 VDC; 2 changeover contacts;
Limiting continuous current: 8 A; with manual operation; Red status indicator;
Module width: 15 mm



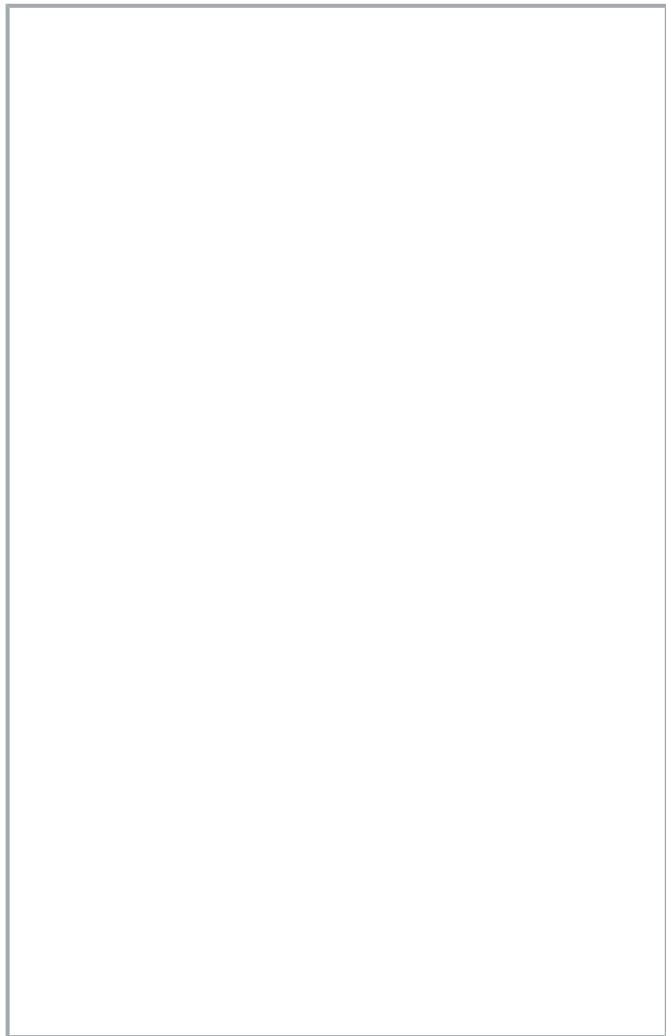
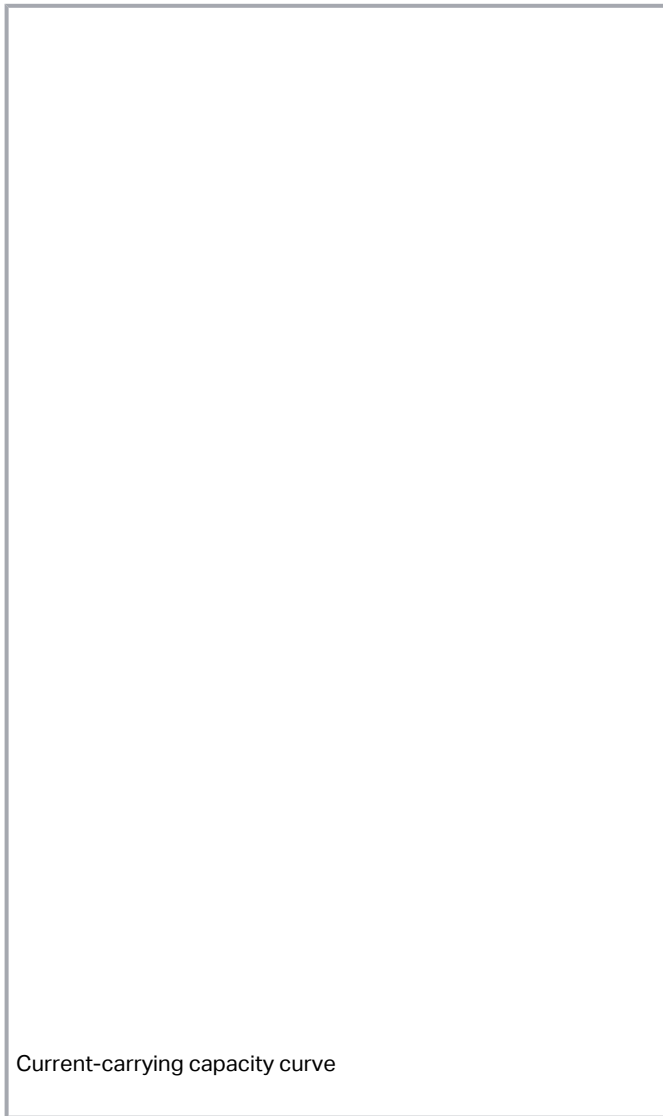
www.wago.com/788-347



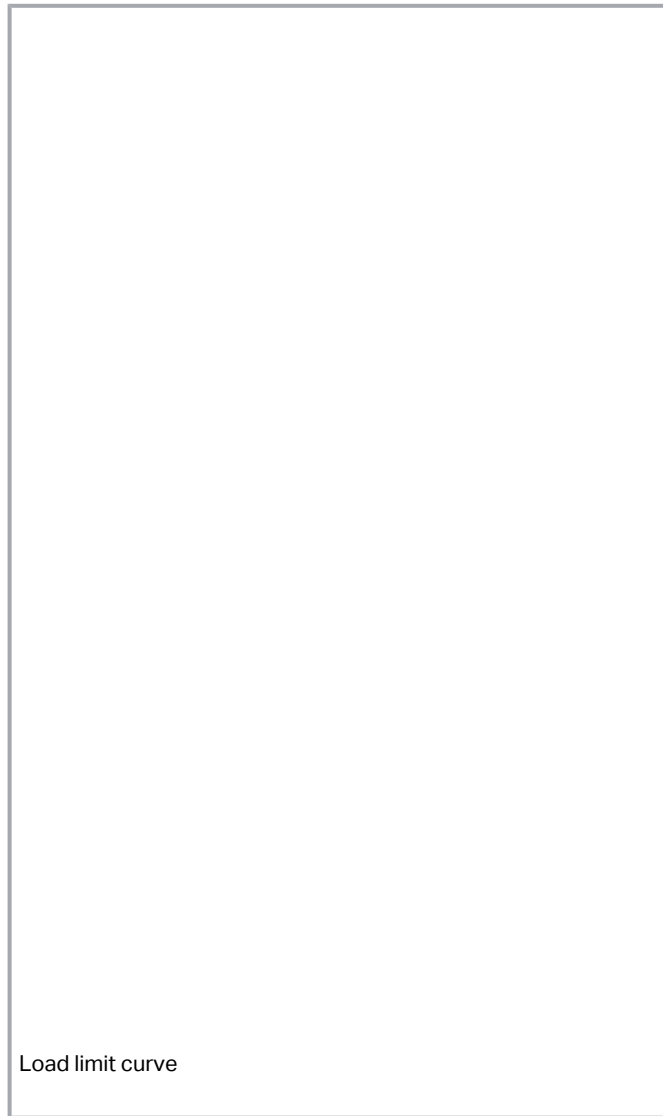
Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
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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.



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Data

Notes

Safety information

A separator plate (e.g., 209-191) must be used for voltages greater than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.

Note

- Reinforced insulation between coil and contacts
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

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Technical data

Control Circuit

Nominal input voltage U_N	DC 48 V
Input voltage range	$\pm 10\%$
Nominal input current at U_N	9 mA

Load circuit

Number of changeover/switchover contacts	2
Contact material (relay)	AgNi
Limiting continuous current	8 A
Inrush current (resistive) max.	(AC) 16 A / 0.02 s; (AC) 12 A / 4 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) max.	AC 2000 VA; DC (see load limit curve)
Switching capacity	AC-15: 1.5 A / AC 240 V; DC-13: 1 A / DC 24 V
Recommended minimum load	12 V / 10 mA
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	8 ms
Bounce time (typ.)	7 ms
Electrical life (NO; resistive load; 23 °C)	10×10^3 switching operations
Mechanical life	5×10^6 switching operations
Switching frequency with/without load (max.)	6 min^{-1} / 300 min^{-1}

Signaling

Status indicator	Red LED Mechanical
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Safety and protection

Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	3
Dielectric strength (control/load circuit) (AC, 1 min)	5 kVrms
Dielectric strength (open contact) (AC, 1 min)	1 kVrms
Dielectric strength (load/load circuit) (AC, 1 min)	2.5 kVrms
Safety information	A separator plate (e.g., 209-191) must be used for voltages greater

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than 250 V between adjacent relay modules and for compliance with the reinforced insulation requirements.

Protection type	IP20
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Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches

Physical data

Width	15 mm / 0.591 inches
Height	86 mm / 3.386 inches
Depth from upper-edge of DIN-rail	73 mm / 2.874 inches

Mechanical data

Mounting type	DIN-35 rail
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Material Data

Fire load	0.696 MJ
Weight	48.1 g

Environmental requirements

Ambient temperature (operation at U _N)	-40 ... +70 °C
Ambient temperature UL (operation at U _N)	-40 ... +50 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 20 K)

Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61810-1 EN 61373 UL 508
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Subject to changes. Please also observe the further product documentation!



Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-16-01
eCl@ss 9.0	27-37-16-01
ETIM 8.0	EC001437
ETIM 7.0	EC001437
Recupel Type	
PU (SPU)	15 (1) pcs
Packaging type	box
Country of origin	DE
GTIN	4050821226857
Customs tariff number	85364900990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Vol.1 Sec. 6

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Marking accessories

Marking strip			
	Item no.: 2009-110		www.wago.com/2009-110

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



Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

Marking device		
Item no.: 210-110 Fiber-tip pen		www.wago.com/210-110
Double marker carrier		
Item no.: 209-128 Adaptor; gray		www.wago.com/209-128
Protective marker cover		
Item no.: 209-184 Protection cover; transparent		www.wago.com/209-184
Marker		
Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white		www.wago.com/2009-115
Item no.: 209-183 Marker; white		www.wago.com/209-183
Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white		www.wago.com/793-501
Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white		www.wago.com/793-502
Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white		www.wago.com/793-503
Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white		www.wago.com/793-504
Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white		www.wago.com/793-505
Group marker carrier		
Item no.: 209-145 Group marker carrier; white		www.wago.com/209-145
Item no.: 249-105 Group marker carrier; gray		www.wago.com/249-105
Indicators		
Status indication		
Item no.: 788-121 Accessories for relay modules; Operation status indicator: red; Nominal operating voltage range: 48 ... 60 VDC		www.wago.com/788-121
Jumpers		
Jumper		

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



Item no.: 788-116 Jumper; for jumper slot; 6-way; insulated; light gray	www.wago.com/788-116
Item no.: 788-117 Jumper; for jumper slot; 8-way; insulated; light gray	www.wago.com/788-117
Item no.: 788-114 Jumper; for jumper slot; 3-way; insulated; light gray	www.wago.com/788-114
Item no.: 788-113 Jumper; for jumper slot; 2-way; insulated; light gray	www.wago.com/788-113
Item no.: 788-115 Jumper; for jumper slot; 4-way; insulated; light gray	www.wago.com/788-115
Item no.: 859-402 Jumper; for jumper slot; 2-way; insulated; light gray	www.wago.com/859-402
Item no.: 788-118 Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray	www.wago.com/788-118

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
Item no.: 216-542 Twin ferrule; Sleeve for 2 x 1 mm ² / AWG 2 x 18; red, insulated; 12 mm long; red	www.wago.com/216-542

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

Downloads

Documentation

Instruction Leaflet

Sockets with Elementary Relay/ SSR	V 1.0.1	pdf 2.3 MB	Download
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Subject to changes. Please also observe the further product documentation!

2020 年10月9日

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 788-347	URL	Download
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CAE data

EPLAN Data Portal 788-347	URL	Download
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WSCAD Universe 788-347	URL	Download
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ZUKEN Portal 788-347	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 788-347 Relay module; Nominal input voltage: 48 VDC; 2 changeover contacts; Limiting continuous current: 8 A; with manual operation; Red status indicator; Module width: 15 mm	URL	Download
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Installation Notes

Conductor termination

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



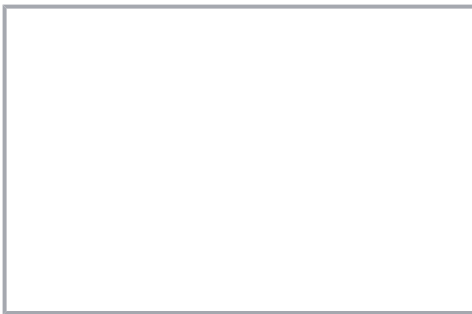
Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking using WMB Multi markers and group marker carriers.

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