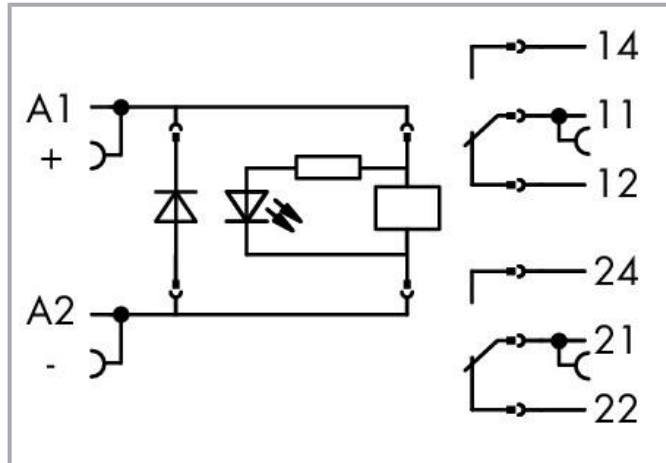


Data sheet | Item number: 788-347

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



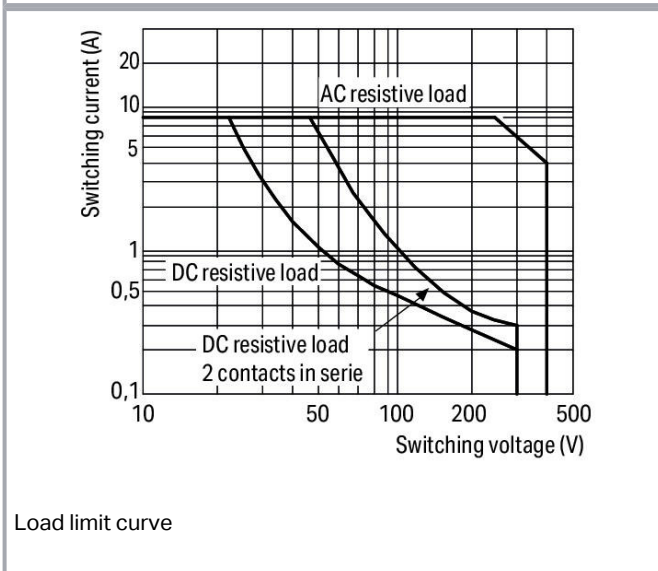
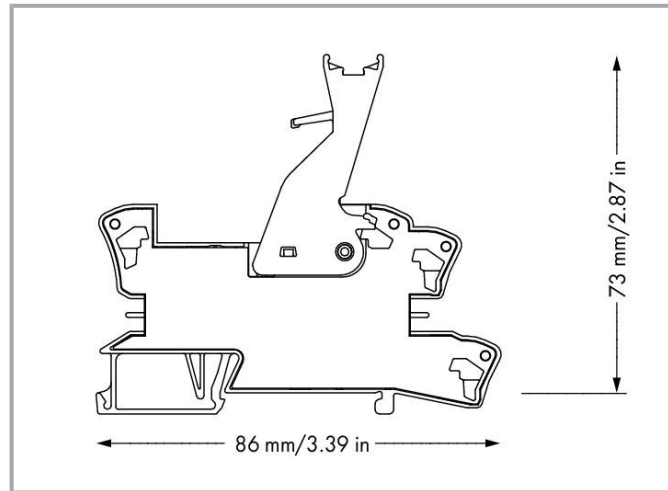
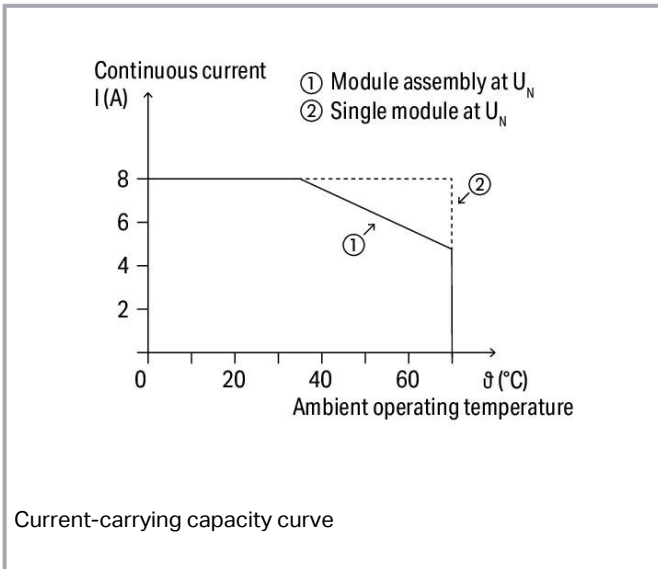
www.wago.com/788-347



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

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Do you have any questions about our products?
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**Data
Notes**

Safety information 1

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.

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

Technical data

Control circuit

| | |
|--------------------------------|------------|
| Nominal input voltage U_N | DC 48 V |
| Input voltage range | $\pm 10\%$ |
| Nominal input current at U_N | 8.3 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 |
|------------------|-----------------------|

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 |

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

| | |
|--|---|
| Dielectric strength, load/load circuit (AC, 1 min) | 2.5 kVrms |
| Safety information 1 | 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. |
| Protection type | IP20 |

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 inch |

Physical data

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

Mechanical data

| | |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

Material data

| | |
|-----------|----------|
| Fire load | 0.689 MJ |
| Weight | 48.1 g |

Environmental requirements

| | |
|---|----------------|
| Surrounding air temperature (operation at U_N) | -40 ... 70 °C |
| Surrounding air (operating) temperature for UL | -40 ... 50 °C |
| Surrounding air temperature (storage) | -40 ... 70 °C |
| Processing temperature | -25 ... +50 °C |

Standards and specifications

| | |
|--------------------------|--|
| Standards/Specifications | EN 61010-2-201 EN 61810-1 EN 61373 UL 508 |
|--------------------------|--|


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

Commercial data

| | |
|-----------------------|---------------------------|
| Product Group | 6 (Interface Electronics) |
| PU (SPU) | 15 (1) Stück |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821226857 |
| Customs tariff number | 85364900990 |


Approvals / Certificates

UL-Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UL UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.6 |

Optional accessories

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 |

Marking accessories

| | | |
|--|--|--|
| Marking strip | | |
|  | Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |


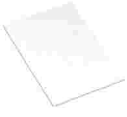











| | | |
|--|---|--|
| Marking device | | |
|  | Item no.: 210-110 Fiber-tip pen | www.wago.com/210-110 |

| | | |
|--|---|--|
| 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 | | |
|--------|--|--|

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

| | | |
|--|---|--|
|  | <p>Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p> | www.wago.com/2009-115 |
|  | <p>Item no.: 209-183 Marker card; white</p> | www.wago.com/209-183 |
|  | <p>Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p> | www.wago.com/793-501 |
|  | <p>Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white</p> | www.wago.com/793-502 |
|  | <p>Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white</p> | www.wago.com/793-503 |
|  | <p>Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white</p> | www.wago.com/793-504 |
|  | <p>Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white</p> | www.wago.com/793-505 |
| Group marker carrier | | |
|  | <p>Item no.: 209-145 Group marker carrier; white</p> | www.wago.com/209-145 |
|  | <p>Item no.: 249-105 Group marker carrier; gray</p> | www.wago.com/249-105 |
| Ferrule | | |
| Ferrule | | |
|  | <p>Item no.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p> | www.wago.com/216-241 |
|  | <p>Item no.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | www.wago.com/216-242 |
|  | <p>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; red</p> | www.wago.com/216-243 |
|  | <p>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; black</p> | www.wago.com/216-244 |

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



Item no.: 216-542

Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long; red

www.wago.com/216-542

Indicators

Operation status indicator

Item no.: 788-121

Accessories for relay modules; Operation status indicator: red; Nominal operating voltage range: 48 ... www.wago.com/788-121
60 VDC

Jumpers

Jumper



Item no.: 788-116

Jumper; for jumper slot; 6-way; insulated

www.wago.com/788-116



Item no.: 788-117

Jumper; for jumper slot; 8-way; insulated

www.wago.com/788-117



Item no.: 788-114

Jumper; for jumper slot; 3-way; insulated

www.wago.com/788-114



Item no.: 788-113

Jumper; for jumper slot; 2-way; insulated

www.wago.com/788-113



Item no.: 788-115

Jumper; for jumper slot; 4-way; insulated

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; from 1 to 3; insulated

www.wago.com/788-118

Downloads

Documentation

Instruction Leaflet

Sockets with Elementary Relay/ SSR

V 1.0.1
2020. 10. 9.

pdf
2.3 MB

Download

Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf
265.8 kB

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CAD/CAE-Data

CAD data

| 2D/3D Models 788-347 | URL | Download |
|----------------------|-----|----------|
|----------------------|-----|----------|

CAE data

| EPLAN Data Portal 788-347 | URL | Download |
|---------------------------|-----|----------|
|---------------------------|-----|----------|

| WSCAD Universe 788-347 | URL | Download |
|------------------------|-----|----------|
|------------------------|-----|----------|

| ZUKEN Portal 788-347 | URL | Download |
|----------------------|-----|----------|
|----------------------|-----|----------|

Environmental Product Compliance

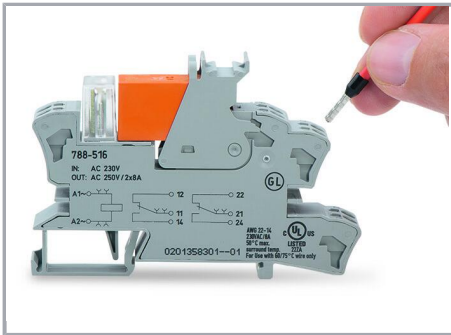
Compliance Search

| Environmental Product Compliance 788-347 | URL | Download |
|--|-----|----------|
|--|-----|----------|

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

Installation Notes

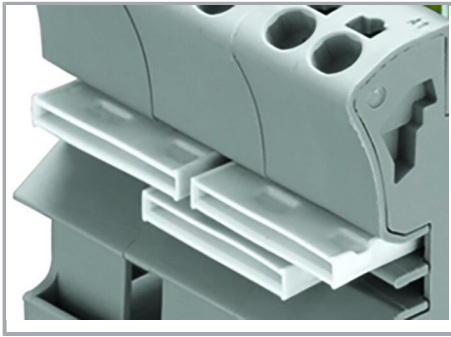
Conductor termination



Conductor termination

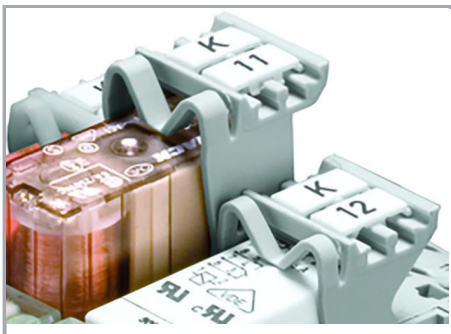
Commoning

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



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!