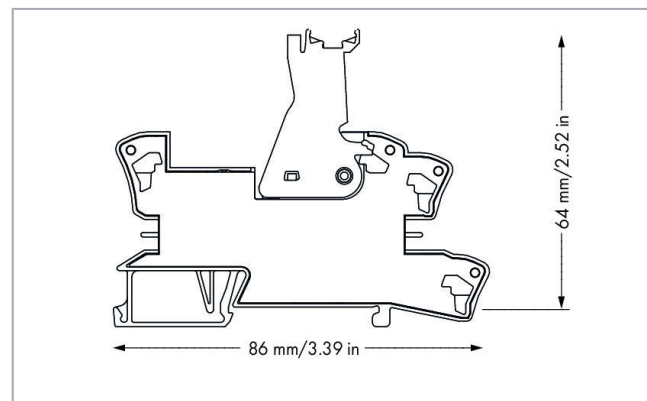
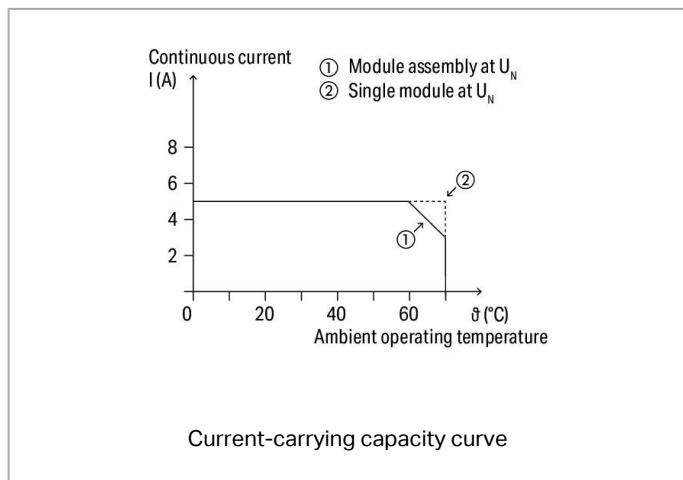
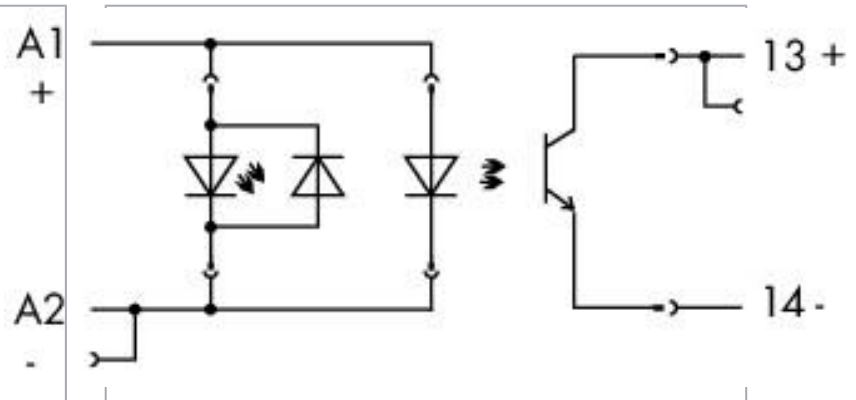
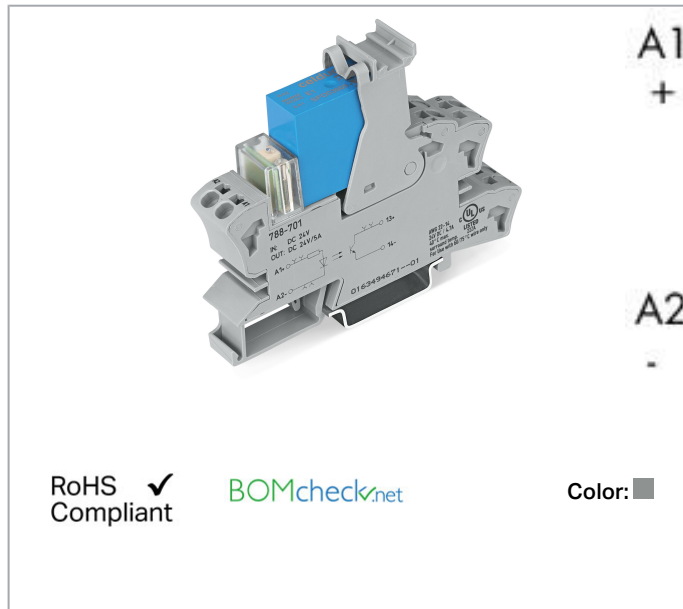


Data sheet | Item number: 788-701

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Red status indicator; Module width: 15 mm; gray



www.wago.com/788-701



Item description

Note:

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

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.



Data

Technical data

Control circuit

| | |
|----------------------------------|----------------|
| Nominal input voltage U_N | DC 24 V |
| Input voltage range (low level) | DC 0 ... 2.5 V |
| Input voltage range (high level) | DC 15 ... 30 V |
| Nominal input current at U_N | 9.3 mA |

Load circuit

| | |
|-------------------------------|--------------------|
| Circuit type | 2-wire connection |
| Limiting continuous current | 5 A |
| Nominal output voltage | DC 24 V |
| Output voltage range | DC 0 ... 30 V |
| Voltage drop at output (max.) | \leq DC 0.3 V |
| Turn-on time | \leq 50 μ s |
| Turn-off time | \leq 600 μ s |
| Switching frequency | \leq 100 Hz |

Signaling

| | |
|------------------|---------|
| Status indicator | Red LED |
|------------------|---------|

Safety and protection

| | |
|---|-----------|
| Pollution degree | 2 |
| Dielectric strength, control/load circuit (AC, 1 min) | 2.5 kVrms |
| 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 |
|-------|--------------------|

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

| | |
|------------------------------------|--------------------|
| Height from upper-edge of DIN-rail | 64 mm / 2.52 inch |
| Depth | 86 mm / 3.386 inch |

Mechanical data

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

Material data

| | |
|-----------|----------|
| Color | gray |
| Fire load | 0.691 MJ |
| Weight | 47 g |

Environmental requirements

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

Standards and specifications


| | |
|--------------------------|---|
| Standards/Specifications | EN 61000-6-2; EN 61000-6-3; EN 61373; EN 61010-2-201; UL 508 (max. 40 °C/4.7 A) |
|--------------------------|---|

Commercial data

| | |
|-----------------------|---------------------------|
| Product Group | 6 (Interface Electronics) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454743871 |
| Customs tariff number | 85365005000 |

Approvals / Certificates






UL-Approvals

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


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

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; 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 |






tools

| | | |
|---|--|--|
|  | Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |
|---|--|--|

General accessories

| | | |
|---|--|--|
|  | Item no.: 209-145 Group marker carrier; white | www.wago.com/209-145 |
|  | Item no.: 209-184 Protection cover; transparent | www.wago.com/209-184 |
|  | Item no.: 788-120 Accessories for relay modules; Operation status indicator: red | www.wago.com/788-120 |

Jumper

| | | |
|---|---|--|
|  | Item no.: 788-113 Jumper; for jumper slot; 2-way; insulated | www.wago.com/788-113 |
|  | Item no.: 788-114 Jumper; for jumper slot; 3-way; insulated | www.wago.com/788-114 |
|  | Item no.: 788-115 Jumper; for jumper slot; 4-way; insulated | www.wago.com/788-115 |
|  | 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.: 788-118 Jumper; for jumper slot; from 1 to 3; insulated | www.wago.com/788-118 |

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



Item no.: 859-402
Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402

Marking accessories



Item no.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110



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.: 209-128
Adaptor; gray

www.wago.com/209-128



Item no.: 209-183
Marker card; white

www.wago.com/209-183



Item no.: 210-110
Fiber-tip pen

www.wago.com/210-110



Item no.: 249-105
Group marker carrier; gray

www.wago.com/249-105



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

Downloads

Documentation

Bid Text

| | | | |
|--------------|-------------|---------|----------|
| 788-701 | 20. 2. 2019 | docx | Download |
| docx - Datei | | 15.9 kB | |

| | | | |
|-------------|-------------|--------|----------|
| 788-701 | 19. 2. 2019 | xml | Download |
| X81 - Datei | | 4.2 kB | |

Instruction Leaflet

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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| | | | |
|------------------------------------|------------------------|---------------|----------|
| Sockets with Elementary Relay/ SSR | V 1.0.1 9. 10. 2020 | pdf 2.3 MB | Download |
|------------------------------------|------------------------|---------------|----------|

Additional Information

| | | | |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|--|---------|-----------------|----------|

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 788-701 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|------------------------|--|-----|----------|
| WSCAD Universe 788-701 | | URL | Download |
|------------------------|--|-----|----------|

| | | | |
|----------------------|--|-----|----------|
| ZUKEN Portal 788-701 | | URL | Download |
|----------------------|--|-----|----------|

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 788-701 | | URL | Download |
|---------------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

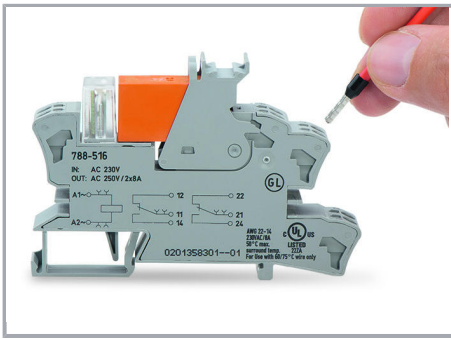
| | | | |
|--|--|-----|----------|
| Environmental Product Compliance 788-701 | | URL | Download |
|--|--|-----|----------|

Solid-state relay module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Red status indicator; Module width: 15 mm; gray

Installation Notes

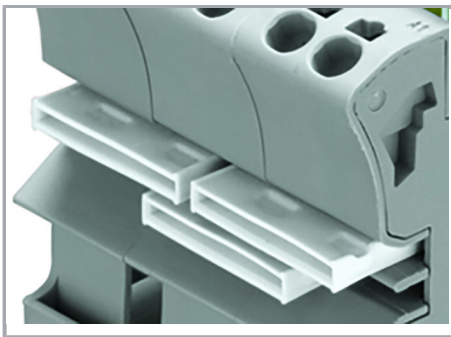
Conductor termination

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



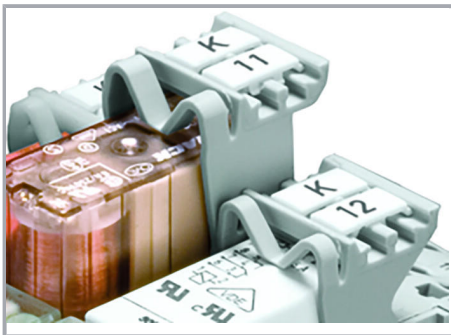
Conductor termination

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!