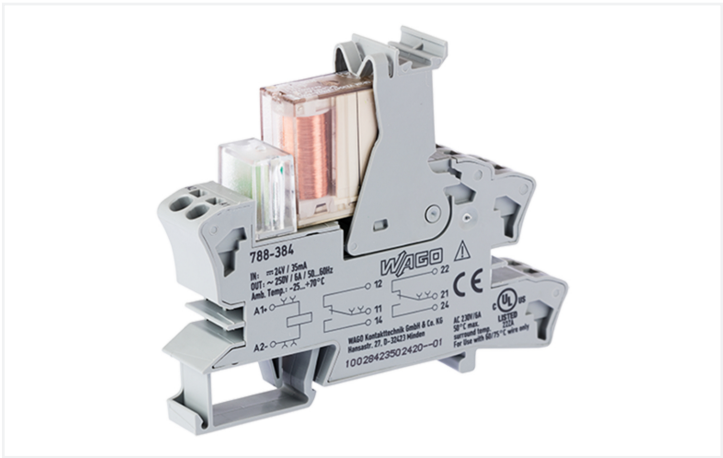


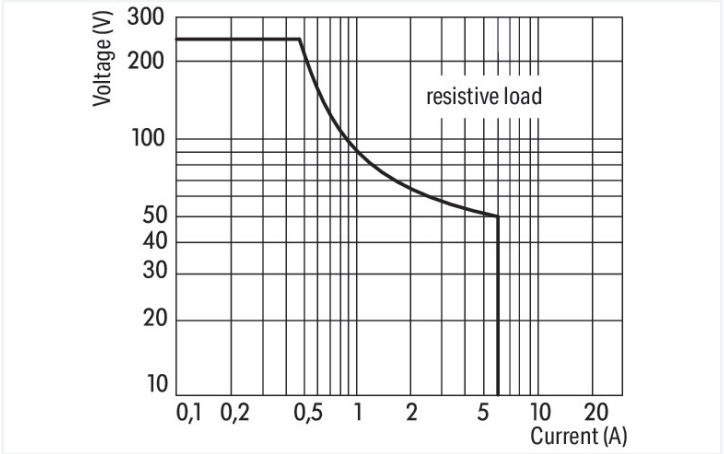
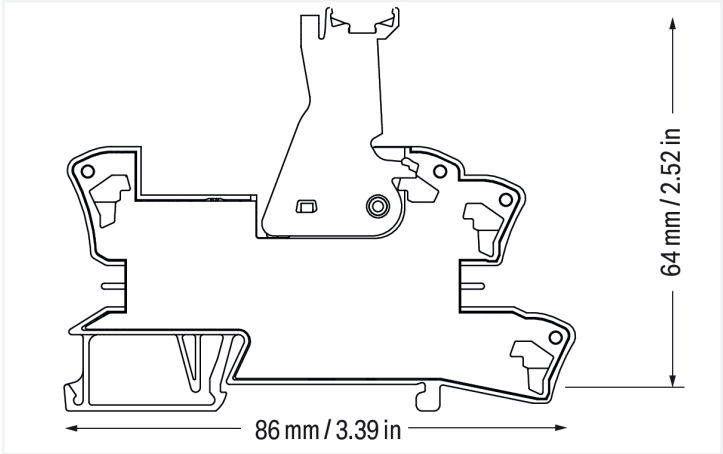
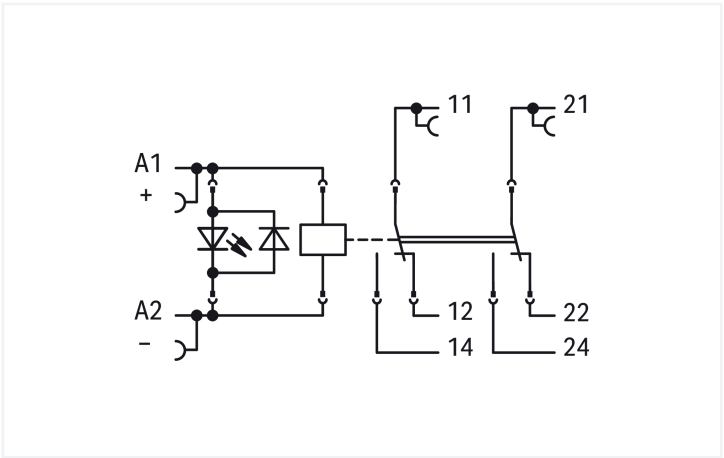
**Data Sheet | Item Number: 788-384**

Relay module with driven contacts; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 6 A; Red status indicator; Module width: 15 mm; 2,50 mm<sup>2</sup>; gray

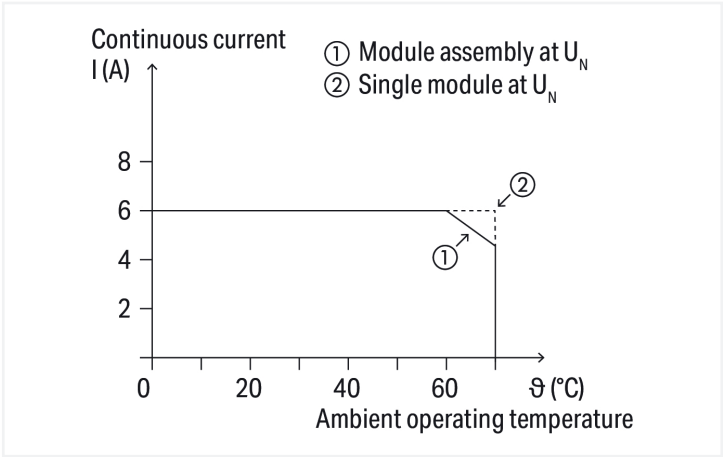
<https://www.wago.com/788-384>



Color: ■ gray



DC load limit curve



Current-carrying capacity curve



| Notes              |                                                                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | Per EN 61810-3, only 1 make contact/1 break contact is permitted for safety circuits (11-14 and 22-21 or 12-11 and 21-24).<br>A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements. |
| Note               | Reinforced insulation between coil and contacts<br>To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.                                                                                                                              |

| Technical data                          |                                              |
|-----------------------------------------|----------------------------------------------|
| Control circuit                         | Load circuit                                 |
| Nominal input voltage U <sub>N</sub>    | 24 VDC                                       |
| Input voltage range                     | -15 ... +10 %                                |
| Nominal input current at U <sub>N</sub> | 31 mA                                        |
|                                         | Number of changeover/switchover contacts     |
|                                         | 2                                            |
|                                         | Contact material (relay)                     |
|                                         | AgNi                                         |
|                                         | Limiting continuous current                  |
|                                         | 6 A                                          |
|                                         | Inrush current (resistive) max.              |
|                                         | (AC) 14 A / 4 s                              |
|                                         | Switching Voltage, Max.                      |
|                                         | 250 VAC                                      |
|                                         | Switching power (resistive) max.             |
|                                         | AC 1500 VA; DC (see load limit curve)        |
|                                         | Switching capacity                           |
|                                         | AC-15: 3 A / 250 VAC; DC-13: 3 A / 24 VDC    |
|                                         | Recommended minimum load                     |
|                                         | 5 V / 10 mA                                  |
|                                         | Pull-in time (typ.)                          |
|                                         | 10 ms                                        |
|                                         | Drop-out time (typ.)                         |
|                                         | 4 ms                                         |
|                                         | Electrical life (NO; resistive load; 23 °C)  |
|                                         | 100 x 10 <sup>3</sup> switching operations   |
|                                         | Mechanical life                              |
|                                         | 10 x 10 <sup>6</sup> switching operations    |
|                                         | Switching frequency with/without load (max.) |
|                                         | 6 min <sup>-1</sup> / 300 min <sup>-1</sup>  |
|                                         | Mechanical force-guided operation            |
|                                         | Type A                                       |

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

| Safety and protection                                  |                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Voltage                                          | 250 V                                                                                                                                                                                                                                                                                           |
| Rated impulse withstand voltage                        | 6 kV                                                                                                                                                                                                                                                                                            |
| Pollution degree                                       | 3                                                                                                                                                                                                                                                                                               |
| Dielectric strength (control/load circuit) (AC, 1 min) | 4 kVrms                                                                                                                                                                                                                                                                                         |
| Dielectric strength (open contact) (AC, 1 min)         | 1.5 kVrms                                                                                                                                                                                                                                                                                       |
| Dielectric strength (load/load circuit) (AC, 1 min)    | 3 kVrms                                                                                                                                                                                                                                                                                         |
| Safety Information                                     | Per EN 61810-3, only 1 make contact/1 break contact is permitted for safety circuits (11-14 and 22-21 or 12-11 and 21-24).<br>A separator plate (e.g., 209-191) must be used for voltages exceeding 250 V between adjacent relay modules and to comply with reinforced insulation requirements. |
| B10d (AC 1)                                            | 250 V; 6 A; 1 NO: 600,000 switching operations<br>250 V; 3 A; 1 NO: 900,000 switching operations<br>250 V; 1.5 A; 1 NO: 1,800,000 switching operations                                                                                                                                          |
| B10d (15 AAC)                                          | 250 V; 3 A; 1 NO: 180,000 switching operations<br>250 V; 2 A; 1 NO: 560,000 switching operations<br>250 V; 0.75 A; 1 NO: 4,600,000 switching operations                                                                                                                                         |
| B10d (DC 13)                                           | 24 V; 3 A; 1 NO: 360,000 switching operations<br>24 V; 1.5 A; 1 NO: 740,000 switching operations<br>24 V; 0.75 A; 1 NO: 4,200,000 switching operations                                                                                                                                          |
| Protection type                                        | IP20                                                                                                                                                                                                                                                                                            |



| Connection data         |                                    |
|-------------------------|------------------------------------|
| Connection technology   | Push-in CAGE CLAMP®                |
| Solid conductor         | 0.34 ... 2.5 mm² / 22 ... 14 AWG   |
| Fine-stranded conductor | 0.34 ... 2.5 mm² / 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 | 64 mm / 2.52 inches  |

| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |

| Material data        |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Note (material data) | <a href="#">Information on material specifications can be found here</a> |
| Color                | gray                                                                     |
| Fire load            | 0.948 MJ                                                                 |
| Weight               | 50.3 g                                                                   |

| Environmental requirements                            |                                 |
|-------------------------------------------------------|---------------------------------|
| Ambient temperature (operation at U <sub>N</sub> )    | -40 ... +70 °C                  |
| Ambient temperature UL (operation at U <sub>N</sub> ) | -40 ... +50 °C                  |
| Ambient temperature (storage)                         | -40 ... +70 °C                  |
| Processing temperature                                | -25 ... +50 °C                  |
| Temperature range of connection cable                 | ≥ (T <sub>ambient</sub> + 20 K) |

| Standards and specifications |                                                                  |
|------------------------------|------------------------------------------------------------------|
| Standards/specifications     | EN 61010-2-201<br>EN 61810-1<br>EN 61810-3<br>EN 61373<br>UL 508 |

| Basic relay      |         |
|------------------|---------|
| WAGO Basic Relay | 788-902 |

| Commercial data       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| PU (SPU)              | 15 (1) pcs               |
| Packaging type        | Box                      |
| Country of origin     | CN                       |
| GTIN                  | 4055143184175            |
| Customs tariff number | 85364900990              |



| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39122334             |
| eCl@ss 10.0            | 27-37-16-01          |
| eCl@ss 9.0             | 27-37-16-01          |
| ETIM 9.0               | EC001437             |
| ETIM 8.0               | EC001437             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates                                                         |                |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
|----------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|----------------------------------------------------|---|---|----------------------------------------------------|---|---|
| General approvals                                                                |                | Declarations of conformity and manufacturer's declarations                                                                                                                                                                                                                    |          |          |                  |                                                    |   |   |                                                    |   |   |
|  |                |                                                                                                                                                                                                                                                                               |          |          |                  |                                                    |   |   |                                                    |   |   |
| Approval                                                                         | Standard       | Certificate Name                                                                                                                                                                                                                                                              |          |          |                  |                                                    |   |   |                                                    |   |   |
| EAC<br>GZO Almaty Standart                                                       | TP TC 004/2011 | EAC CoC 03084                                                                                                                                                                                                                                                                 |          |          |                  |                                                    |   |   |                                                    |   |   |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS)                        | UL 508         | E175199 Vol.1 Sec.6                                                                                                                                                                                                                                                           |          |          |                  |                                                    |   |   |                                                    |   |   |
|                                                                                  |                | <table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</td><td>-</td><td>-</td></tr></table> | Approval | Standard | Certificate Name | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| Approval                                                                         | Standard       | Certificate Name                                                                                                                                                                                                                                                              |          |          |                  |                                                    |   |   |                                                    |   |   |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG                               | -              | -                                                                                                                                                                                                                                                                             |          |          |                  |                                                    |   |   |                                                    |   |   |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG                               | -              | -                                                                                                                                                                                                                                                                             |          |          |                  |                                                    |   |   |                                                    |   |   |

| Downloads                                |                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance         |                                                                                     |
| Compliance Search                        |                                                                                     |
| Environmental Product Compliance 788-384 |  |

| Documentation |            |                  |                                                                                     |                                                                                                                                                                                                                      |
|---------------|------------|------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bid Text      |            |                  | Instruction Leaflet                                                                 |                                                                                                                                                                                                                      |
| 788-384       | 25.01.2019 | docx<br>17.54 KB |  | <div>Sockets with Elementa-<br/>ry Relay/ SSR</div> <div>V 1.0.1<br/>09.10.2020</div> <div>pdf<br/>2271.22 KB</div> <div></div> |
| 788-384       | 19.02.2019 | xml<br>5.36 KB   |  |                                                                                                                                                                                                                      |



| CAD/CAE-Data         |                           |
|----------------------|---------------------------|
| CAD data             | CAE data                  |
| 2D/3D Models 788-384 | EPLAN Data Portal 788-384 |
|                      | WSCAD Universe 788-384    |
|                      | ZUKEN Portal 788-384      |

| 1 Compatible Products    |
|--------------------------|
| 1.1 Optional Accessories |
| 1.1.1 Basic relay        |
| 1.1.1.1 Basic relay      |



[Item No.: 788-902](#)  
Basic relay; Nominal input voltage: 24 VDC; 2 changeover contacts

| 1.1.2 Ferrule   |
|-----------------|
| 1.1.2.1 Ferrule |



[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



[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



[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



[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



[Item No.: 216-542](#)  
Twin ferrule; Sleeve for 2 x 1 mm² / AWG 2 x 18; red, insulated; 12 mm long; red

| 1.1.3 Indicators          |
|---------------------------|
| 1.1.3.1 Status indication |



[Item No.: 788-120](#)  
Accessories for relay modules; Operation status indicator: red; Nominal operating voltage: 24 VDC



1.1.4 Jumper

1.1.4.1 Jumper



**Item No.: 788-118**  
Jumper; for jumper slot; 2-way; from 1 to 3; insulated; light gray



**Item No.: 788-113**  
Jumper; for jumper slot; 2-way; insulated; light gray



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



**Item No.: 788-114**  
Jumper; for jumper slot; 3-way; insulated; light gray



**Item No.: 788-115**  
Jumper; for jumper slot; 4-way; insulated; light gray



**Item No.: 788-116**  
Jumper; for jumper slot; 6-way; insulated; light gray



**Item No.: 788-117**  
Jumper; for jumper slot; 8-way; insulated; light gray

1.1.5 Marking

1.1.5.1 Double marker carrier



**Item No.: 209-128**  
Adaptor; gray

1.1.5.2 Group marker carrier



**Item No.: 249-105**  
Group marker carrier; gray



**Item No.: 209-145**  
Group marker carrier; white

1.1.5.3 Marker



**Item No.: 209-183**  
Marker; white



**Item No.: 793-502**  
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-503**  
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-504**  
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-505**  
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.5.4 Marking device



**Item No.: 210-110**  
Fiber-tip pen

1.1.5.5 Marking strip



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

1.1.5.6 Protective marker cover



Item No.: 209-184  
Protection cover; transparent

1.1.6 Tool

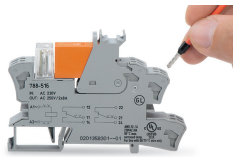
1.1.6.1 Operating tool



Item No.: 210-720  
Operating tool; Blade: 3.5 x 0.5 mm; with a  
partially insulated shaft; multicoloured

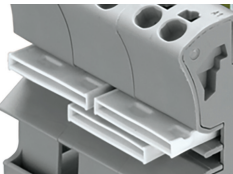
Installation Notes

Conductor termination



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!

Current addresses can be found at: [www.wago.com](https://www.wago.com)