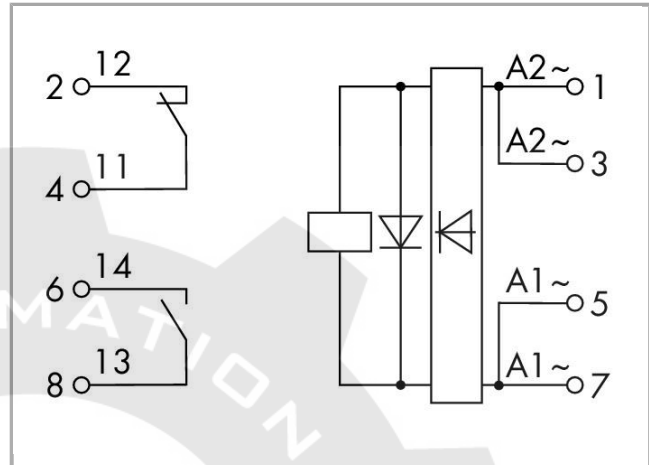
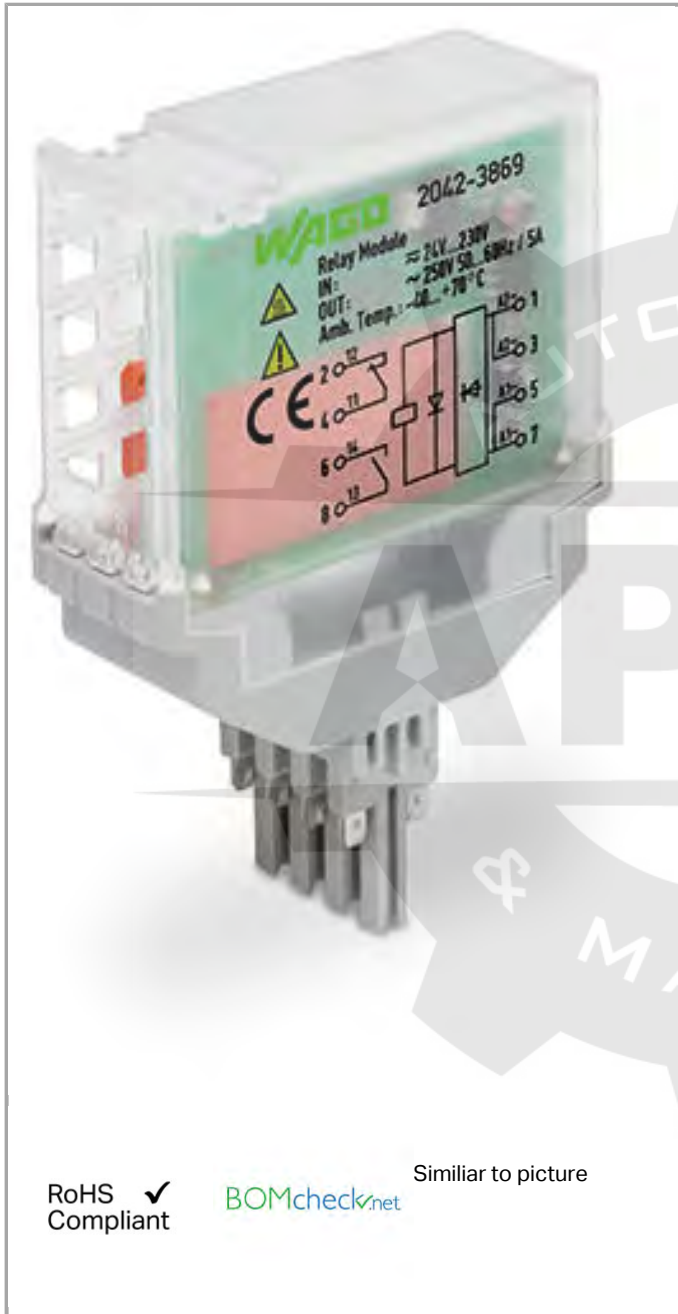


## Data sheet | Item number: 2042-3869

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 break and 1 make contact; Limiting continuous current: 5 A; Green status indicator; Module width: 20 mm



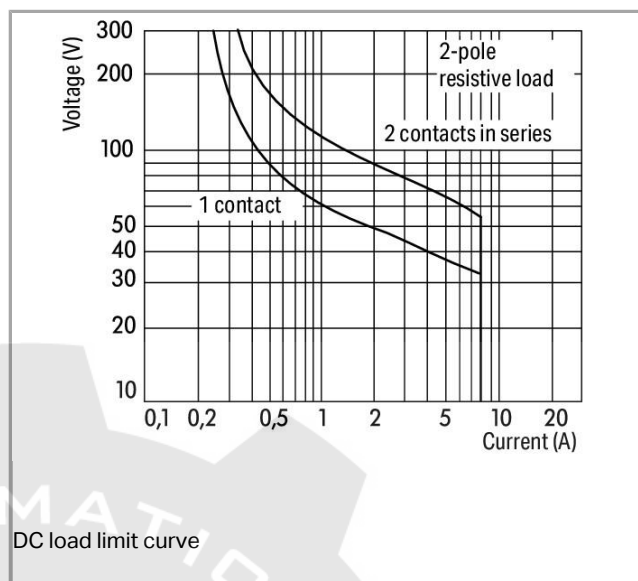
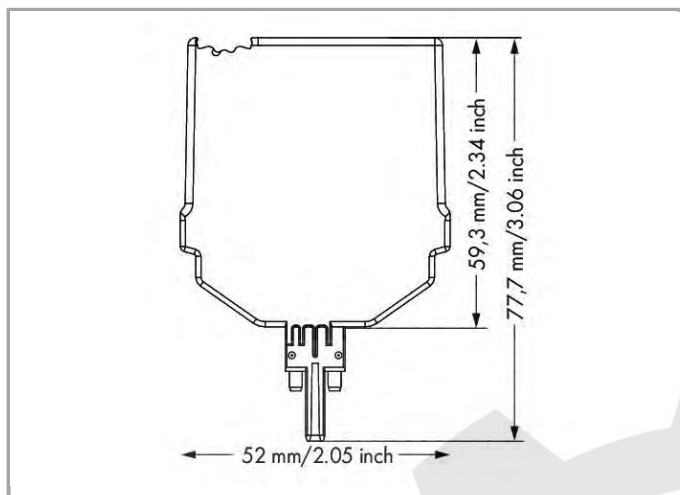
2042-3869



RoHS   
Compliant

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Similar to picture



## Data

### Technical Data

#### Control circuit

|                                |                                |
|--------------------------------|--------------------------------|
| Nominal input voltage $U_N$    | AC/DC 24 ... 230 V             |
| Input voltage range            | $\pm 10 \%$                    |
| Nominal input current at $U_N$ | 2.8 mA (230 V); 49.1 mA (24 V) |

#### Load circuit:

|                                               |                                            |
|-----------------------------------------------|--------------------------------------------|
| Number of break contacts/switch off contacts  | 1                                          |
| Number of make contacts/switch on contacts    | 1                                          |
| Contact material (relay)                      | AgNi                                       |
| Limiting continuous current                   | 5 A                                        |
| Max. make current (resistive)                 | (AC) 15 A / 4 s                            |
| Max. switching voltage                        | AC 250 V                                   |
| Max. switching power (resistive)              | AC 1,250 VA; DC see load limit curve       |
| Recommended minimum load                      | 12 V / 10 mA                               |
| Min. switching current                        | 0 $\mu$ A                                  |
| Pull-in time (typ.)                           | 8 ms                                       |
| Drop-out time (typ.)                          | 6 ms                                       |
| Bounce time (typ.)                            | 4 ms                                       |
| Drop-out time                                 | $\leq 0 \mu$ s                             |
| Electrical life (N.O.; resistive load; 23 °C) | 100 x 10 <sup>3</sup> switching operations |
| Mechanical life (N.O.; resistive load; 23 °C) | 10 x 10 <sup>6</sup> switching operations  |

## Signaling

|                   |           |
|-------------------|-----------|
| Status indication | LED green |
|-------------------|-----------|

## Safety and protection:

|                                                       |                       |
|-------------------------------------------------------|-----------------------|
| Rated voltage                                         | 250 V                 |
| Rated impulse voltage                                 | 4 kV                  |
| Pollution degree                                      | 2                     |
| Dielectric strength, control/load circuit (AC, 1 min) | 3 kV <sub>rms</sub>   |
| Dielectric strength open contact (AC, 1 min)          | 1 kV <sub>rms</sub>   |
| Dielectric strength, channel/channel (AC, 1 min)      | 2.5 kV <sub>rms</sub> |
| Protection class                                      | IP20                  |

## Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Width                   | 20.7 mm / 0.815 inch |
| Height                  | 77.7 mm / 3.059 inch |
| Height from the surface | 59.3 mm / 2.335 inch |
| Depth                   | 52 mm / 2.047 inch   |

## Mechanical data

|                  |                                                       |
|------------------|-------------------------------------------------------|
| Type of mounting | Pluggable module for TOPJOB® S carrier terminal block |
|------------------|-------------------------------------------------------|

## Material Data

|                             |          |
|-----------------------------|----------|
| Flammability class per UL94 | V0       |
| Fire load                   | 0 MJ     |
| Weight                      | 76.425 g |

## Environmental Requirements

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Pollution degree                                          | 2             |
| Surrounding air (operating) temperature at U <sub>N</sub> | -40 ... 70 °C |
| Surrounding air (storage) temperature                     | -40 ... 85 °C |
| Max. operating altitude                                   | 2000 m        |

## Standards and specifications

|                          |                                        |
|--------------------------|----------------------------------------|
| Standards/specifications | EN 61010-2-201; EN 61373; EN 50121-3-2 |
|--------------------------|----------------------------------------|

## Commercial data

|                   |               |
|-------------------|---------------|
| Country of origin | DE            |
| GTIN              | 4055143651950 |

Customs Tariff No.

85364900990

## Approvals / Certificates

### UL-Approvals

| Logo                                                                             | Approval                                                  | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-1               | E175199          |

## Compatible products

### Marking accessories

|                                                                                     |                                                                                                                   |          |          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------|----------|
|    | Item no.: 2009-110<br>Marking strips; on reel; not stretchable; plain; snap-on type                               |          | 2009-110 |
|    | Item no.: 2009-115<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         |          | 2009-115 |
|  | Item no.: 2009-115/000-002<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /UUU-UU2 | 2009-115 |
|  | Item no.: 2009-115/000-006<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /UUU-UU6 | 2009-115 |
|  | Item no.: 2009-115/000-007<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /UUU-UU7 | 2009-115 |
|  | Item no.: 2009-115/000-012<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /UUU-U12 | 2009-115 |
|  | Item no.: 2009-115/000-017<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /UUU-U17 | 2009-115 |
|  | Item no.: 2009-115/000-023<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /UUU-U23 | 2009-115 |
|  | Item no.: 2009-115/000-024<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /UUU-U24 | 2009-115 |
|   | Item no.: 793-501<br>WMB marking card; as card; not stretchable; plain; snap-on type                              |          | 793-501  |



**Item no.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-002



**Item no.: 793-501/000-005**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-005



**Item no.: 793-501/000-006**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-006



**Item no.: 793-501/000-007**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-007



**Item no.: 793-501/000-012**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-012



**Item no.: 793-501/000-017**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-017



**Item no.: 793-501/000-023**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-023



**Item no.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type

793-501  
/000-024



**Item no.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501



**Item no.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-002



**Item no.: 793-5501/000-005**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-005



**Item no.: 793-5501/000-006**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-006



**Item no.: 793-5501/000-007**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-007



**Item no.: 793-5501/000-012**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-012



**Item no.: 793-5501/000-014**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501  
/000-014

|                                                                                    |                                                                                                                                                                                 |                      |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | <b>Item no.: 793-5501/000-017</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                                                     | 793-5501<br>/000-017 |
|    | <b>Item no.: 793-5501/000-023</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                                                     | 793-5501<br>/000-023 |
|    | <b>Item no.: 793-5501/000-024</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                                                     | 793-5501<br>/000-024 |
| <b>End plate</b>                                                                   |                                                                                                                                                                                 |                      |
|    | <b>Item no.: 2002-1691</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1691            |
|    | <b>Item no.: 2002-1692</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1692            |
|    | <b>Item no.: 2002-1791</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1791            |
|    | <b>Item no.: 2002-1792</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1792            |
|   | <b>Item no.: 2002-1891</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1891            |
|  | <b>Item no.: 2002-1892</b><br>End and intermediate plate; 1 mm thick                                                                                                            | 2002-1892            |
| <b>clamps</b>                                                                      |                                                                                                                                                                                 |                      |
|  | <b>Item no.: 2002-1661</b><br>2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®                                  | 2002-1661            |
|  | <b>Item no.: 2002-1761</b><br>3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®                                  | 2002-1761            |
|  | <b>Item no.: 2002-1861</b><br>4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP®                                  | 2002-1861            |
|  | <b>Item no.: 2002-1961</b><br>2-conductor carrier terminal block; with additional jumper position; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm <sup>2</sup> ; Push-in CAGE CLAMP® | 2002-1961            |

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Subject to changes.