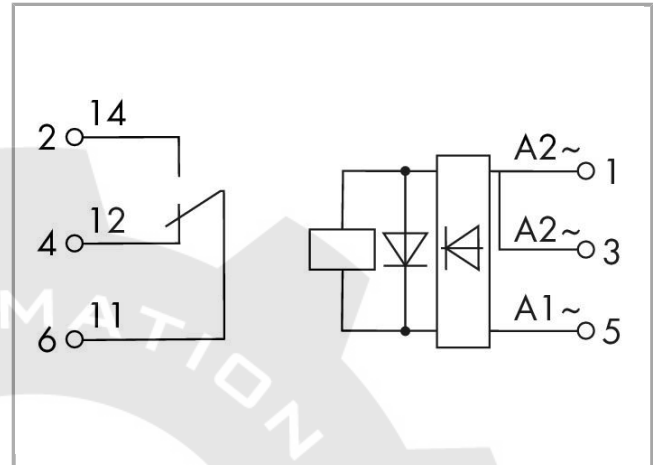
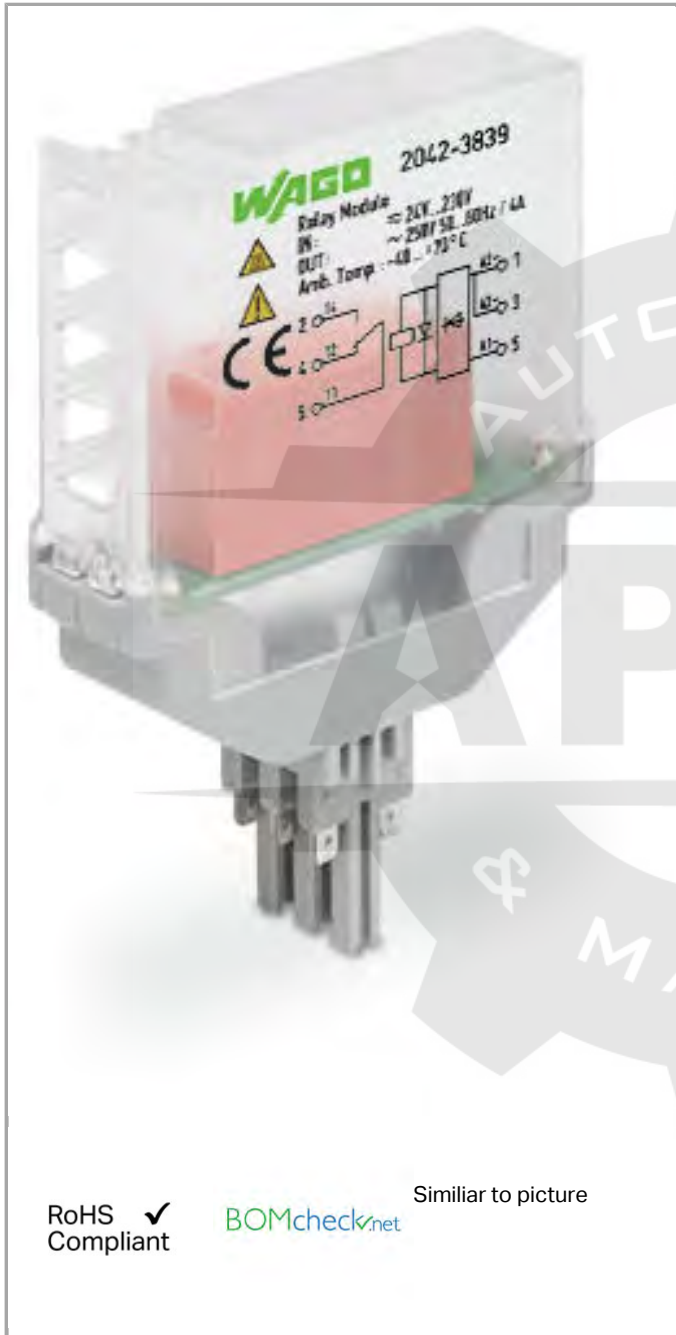


## Data sheet | Item number: 2042-3839

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 changeover contact; Limiting continuous current: 4 A; Green status indicator; Module width: 15 mm



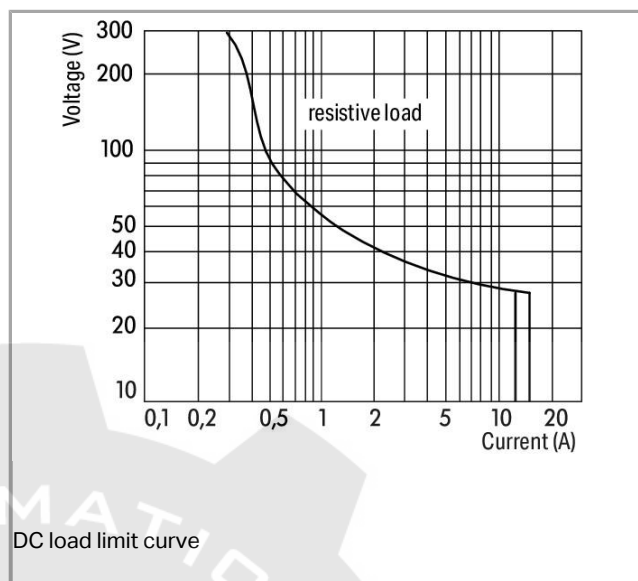
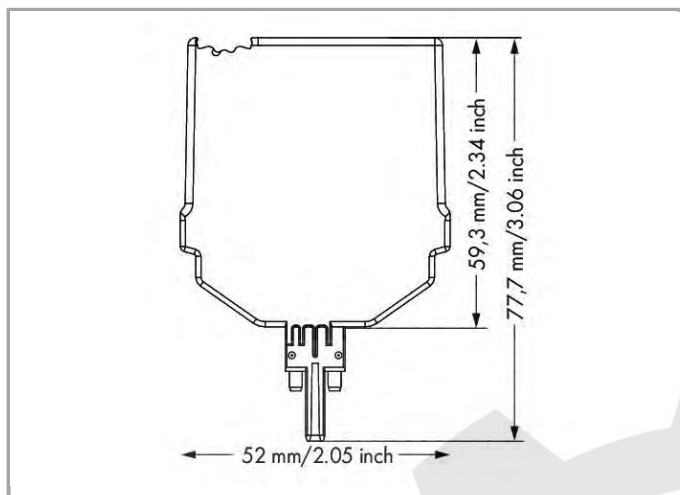
2042-3839



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 $U_N$ | 6 mA (230 V); 50.2 mA (24 V) |

#### Load circuit:

|                                               |                                        |
|-----------------------------------------------|----------------------------------------|
| Number of changeover/switchover contacts      | 1                                      |
| Contact material (relay)                      | AgNi                                   |
| Limiting continuous current                   | 4 A                                    |
| Max. make current (resistive)                 | (AC) 30 A / 4 s                        |
| Max. switching voltage                        | AC 250 V                               |
| Max. switching power (resistive)              | AC 1,000 VA; DC see load limit curve   |
| Recommended minimum load                      | 12 V / 10 mA                           |
| Pull-in time (typ.)                           | 8 ms                                   |
| Drop-out time (typ.)                          | 6 ms                                   |
| Bounce time (typ.)                            | 4 ms                                   |
| Electrical life (N.O.; resistive load; 23 °C) | $100 \times 10^3$ switching operations |
| Mechanical life (N.O.; resistive load; 23 °C) | $10 \times 10^6$ 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                   | 15.5 mm / 0.61 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                      | 36.3 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                                   | 2000m         |

## Standards and specifications

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143651943 |
| 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 | /000-002 | 2009-115 |
|  | Item no.: 2009-115/000-006<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /000-006 | 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 | /000-007 | 2009-115 |
|  | Item no.: 2009-115/000-012<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /000-012 | 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 | /000-017 | 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 | /000-023 | 2009-115 |
|  | Item no.: 2009-115/000-024<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /000-024 | 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

/000-002

793-501



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

/000-005

793-501



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

/000-006

793-501



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

/000-007

793-501



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

/000-012

793-501



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

/000-017

793-501



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

/000-023

793-501



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

/000-024

793-501



**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

/000-002

793-5501



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

/000-005

793-5501



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

/000-006

793-5501



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

/000-007

793-5501



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

/000-012

793-5501



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

/000-014

793-5501



Item no.: 793-5501/000-017

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-017

793-5501



Item no.: 793-5501/000-023

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-023

793-5501



Item no.: 793-5501/000-024

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-024

793-5501

## clamps



Item no.: 2002-1661

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



Item no.: 2002-1761

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



Item no.: 2002-1861

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



Item no.: 2002-1961

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

## End plate



Item no.: 2002-1691

End and intermediate plate; 1 mm thick

2002-1691



Item no.: 2002-1692

End and intermediate plate; 1 mm thick

2002-1692



Item no.: 2002-1791

End and intermediate plate; 1 mm thick

2002-1791



Item no.: 2002-1792

End and intermediate plate; 1 mm thick

2002-1792



Item no.: 2002-1891

End and intermediate plate; 1 mm thick

2002-1891



Item no.: 2002-1892

End and intermediate plate; 1 mm thick

2002-1892

## Downloads

## Documentation

## Bid Text

2042-3839

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## Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

pdf  
265.8 kB

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CAD data

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Subject to changes.