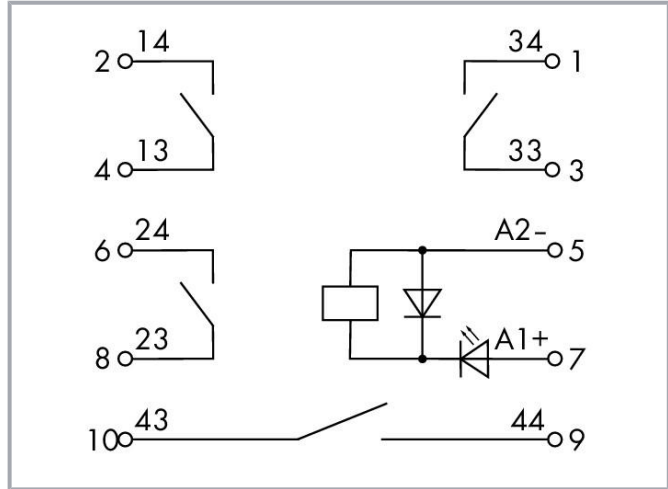


Data sheet | Item number: 2042-3024

Relay module; Nominal input voltage: 24 VDC; 4 make contacts; Limiting continuous current: 5 A; Railway; Green status indicator; Module width: 25 mm



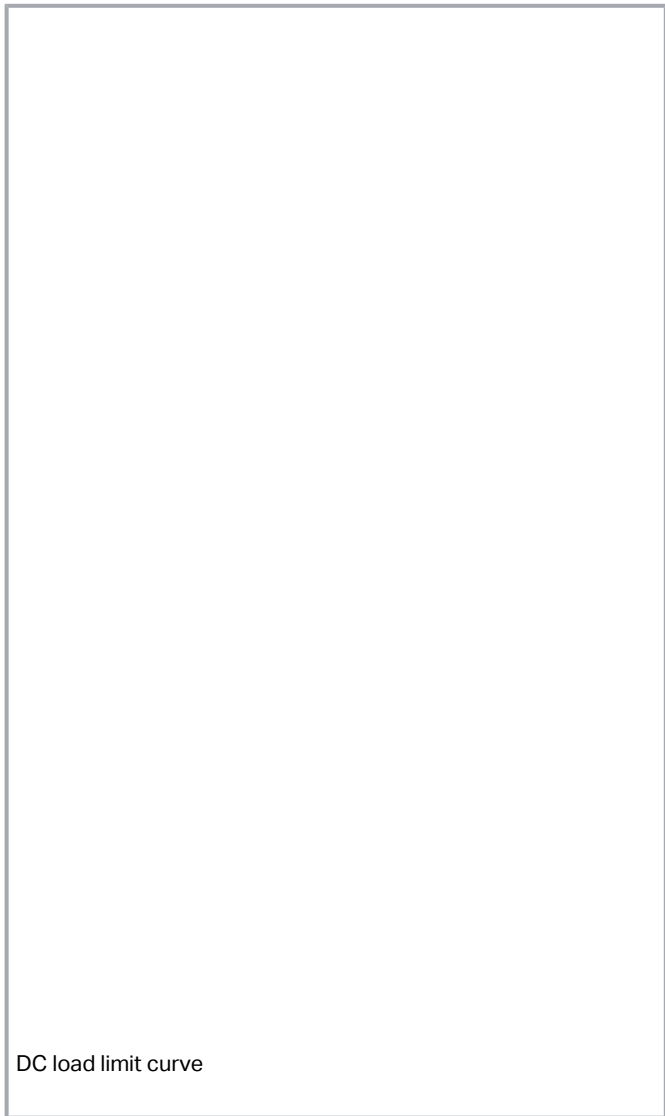
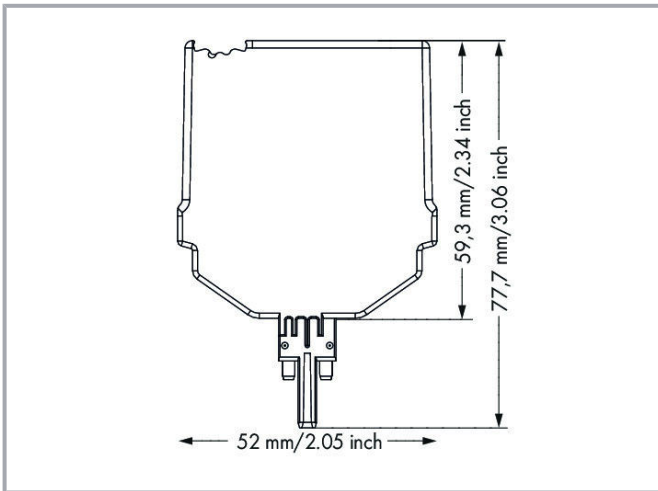
www.wago.com/2042-3024



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

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DC load limit curve

Data

Technical data

| | |
|-------------------------------------------------------|---------------|
| Nominal input voltage U_N | DC 24 V |
| Input voltage range | -30 ... +25 % |
| Nominal input current at U_N | 28.1 mA |
| Rated voltage | 250 V |
| Pollution degree | 2 |
| Dielectric strength, control/load circuit (AC, 1 min) | 3 kVrms |

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| | |
|---------------------------------------------------|--------------------------------------------|
| Dielectric strength, open contact (AC, 1 min) | 1 kVrms |
| Dielectric strength, channel/channel (AC, 1 min.) | 1.5 kV _{rms} |
| Protection type | IP20 |
| Number of make/switch-on contacts | 4 |
| Contact material (relay) | AgNi |
| Limiting continuous current | 5 A |
| Inrush current (resistive) (max.) | (AC) 15 A / 4 s |
| Switching voltage (max.) | AC 250 V |
| Switching power (resistive) (max.) | AC 1250 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 (NO; resistive load; 23 °C) | 100 x 10 ³ switching operations |
| Mechanical life | 10 x 10 ⁶ switching operations |
| Status indicator | Green LED |

Physical data

| | |
|-------------------------|----------------------|
| Width | 25.9 mm / 1.02 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

| | |
|---------------|-------------------------------------------------------------------|
| Mounting type | Pluggable module for TOPJOB [®] S carrier terminal block |
|---------------|-------------------------------------------------------------------|

Material data

| | |
|-----------------------------|----------|
| Flammability class per UL94 | V0 |
| Fire load | 0.232 MJ |
| Weight | 70.3 g |

Environmental requirements

| | |
|------------------------------------------------------------|----------------|
| Surrounding air temperature (operation at U _N) | -40 ... 70 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Processing temperature | -25 ... +50 °C |

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

| | |
|---------------------------|--------|
| Operating altitude (max.) | 2000 m |
|---------------------------|--------|

Standards and specifications


| | |
|--------------------------|--------------------------------------------|
| Standards/Specifications | EN 61010-2-201 EN 61373 EN 50121-3-2 |
|--------------------------|--------------------------------------------|

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 5 Stück |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143651691 |
| Customs tariff number | 85364900990 |







Approvals / Certificates

UL-Approvals

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

Optional accessories

End plate

| End plate | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Item no.: 2002-1892 End and intermediate plate; 1 mm thick; orange | www.wago.com/2002-1892 |
|  | Item no.: 2002-1891 End and intermediate plate; 1 mm thick; gray | www.wago.com/2002-1891 |
|  | Item no.: 2002-1991 End and intermediate plate; 1 mm thick; gray | www.wago.com/2002-1991 |
|  | Item no.: 2002-1992 End and intermediate plate; 1 mm thick; orange | www.wago.com/2002-1992 |
|  | Item no.: 2002-1691 End and intermediate plate; 1 mm thick; gray | www.wago.com/2002-1691 |
|  | Item no.: 2002-1692 | |

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End and intermediate plate; 1 mm thick; orange

www.wago.com/2002-1692



Item no.: 2002-1791

End and intermediate plate; 1 mm thick; gray

www.wago.com/2002-1791



Item no.: 2002-1792

End and intermediate plate; 1 mm thick; orange

www.wago.com/2002-1792

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

Marker



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.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/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; white

www.wago.com/793-5501

Terminal blocks

Carrier terminal block for modules and plugs



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 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2002-1961



Item no.: 2002-1661

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2002-1661



Item no.: 2002-1761

3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2002-1761



Item no.: 2002-1861

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2002-1861

Downloads

Documentation

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Instruction Leaflet

| | | | |
|-------------------------------------------------------------|---------|---------------|----------|
| Pluggable Relay Module / Pluggable Solid-State Relay Module | V 1.1.0 | pdf 2.0 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 2042-3024 | | URL | Download |
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CAE data

| | | | |
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| ZUKEN Portal 2042-3024 | | URL | Download |
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Environmental Product Compliance

Compliance Search

| | | | |
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Installation Notes

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