

Data sheet | Item number: 2042-3879

Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 3 break contacts and 1 make contact; Limiting continuous current: 3 A; Green status indicator; Module width: 25 mm

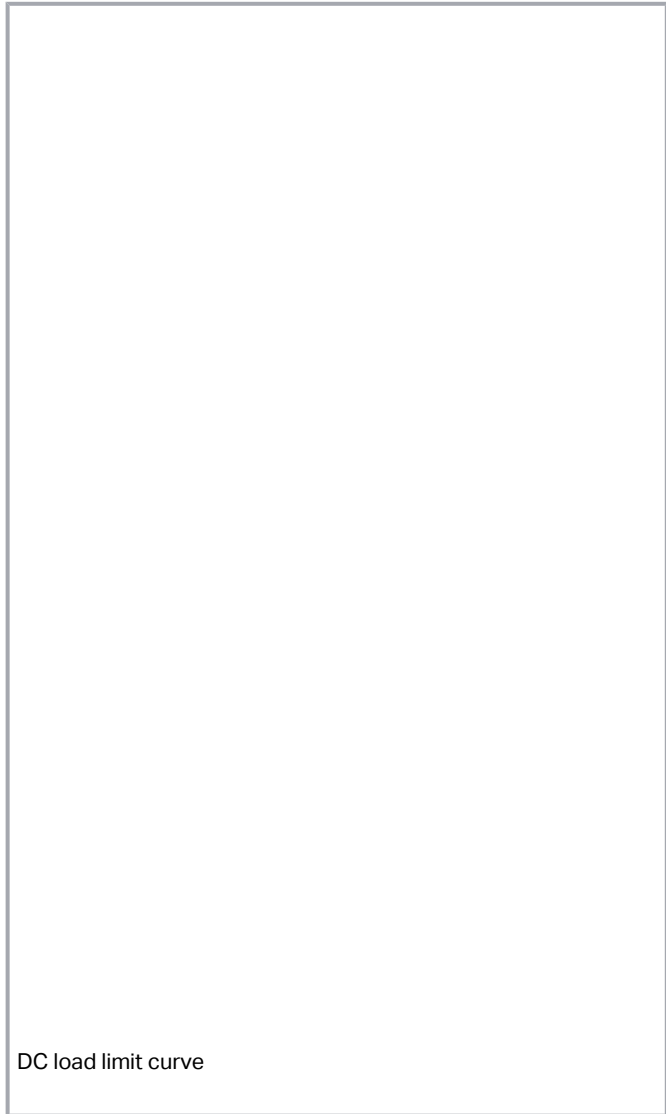
www.wago.com/2042-3879



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

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DC load limit curve

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); 58.4 mA (24 V) |

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Load circuit

| | |
|---|--|
| Number of break/switch-off contacts | 1 |
| Number of make/switch-on contacts | 3 |
| Contact material (relay) | AgNi |
| Limiting continuous current | 3 A |
| Inrush current (resistive) max. | (AC) 15 A / 4 s |
| Switching voltage (max.) | AC 250 V |
| Switching power (resistive) max. | AC 750 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 |

Signaling

| | |
|------------------|-----------|
| Status indicator | Green LED |
|------------------|-----------|

Safety and protection

| | |
|--|-----------|
| Rated voltage | 250 V |
| Pollution degree | 2 |
| Dielectric strength (control/load circuit) (AC, 1 min) | 3 kVrms |
| Dielectric strength (open contact) (AC, 1 min) | 1 kVrms |
| Dielectric strength (channel/channel) (AC, 1 min) | 1.5 kVrms |
| Protection type | IP20 |

Physical data

| | |
|-------------------------|------------------------|
| Width | 25.9 mm / 1.02 inches |
| Height | 77.7 mm / 3.059 inches |
| Height from the surface | 59.3 mm / 2.335 inches |
| Depth | 52 mm / 2.047 inches |

Mechanical data

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

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



Material Data

| | |
|-----------------------------|----------|
| Flammability class per UL94 | V0 |
| Fire load | 0.255 MJ |
| Weight | 59.5 g |

Environmental requirements

| | |
|---|----------------|
| Ambient temperature (operation at U_N) | -40 ... +50 °C |
| Ambient temperature (storage) | -40 ... +85 °C |
| Processing temperature | -25 ... +50 °C |
| Operating altitude (max.) | 2000 m |

Standards and specifications

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

Commercial data

| | |
|-----------------------|---------------|
| eCl@ss 10.0 | 27-14-11-49 |
| eCl@ss 9.0 | 27-14-11-49 |
| ETIM 8.0 | EC002018 |
| ETIM 7.0 | EC002018 |
| Recupel Type | |
| PU (SPU) | 4 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143652001 |
| Customs tariff number | 85364900990 |

Environmental Product Compliance

| | |
|--------------------------------|---|
| CAS-No. | 11120-22-2 7439-92-1 79-94-7 80-05-7 |
| REACH Candidate List Substance | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol 4,4'-isopropylidenediphenol |

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| | |
|---|--------------------------------------|
| | Lead Lead silicate |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 7(a) 7(c)-I 7(c)-II |
| SCIP notification number (Austria) | 7b5208f0-2e2a-4510-b1eb-565e0b2452ca |
| SCIP notification number (Belgium) | 51684ea3-115d-4840-a9b8-63f3fc8d2234 |
| SCIP notification number (Bulgaria) | 4476ef20-091f-4cfd-afce-2b89d27279c2 |
| SCIP notification number (Czech Republic) | e18945d9-a8d8-42f1-b057-0282539a31bc |
| SCIP notification number (Denmark) | 5fc49978-455b-49e3-82fd-00d7c2b8790a |
| SCIP notification number (Finland) | 49d70864-7ee6-47f9-8612-f37acf36eb53 |
| SCIP notification number (France) | 4a540f92-c299-47d2-80f0-35cb10eff0bb |
| SCIP notification number (Germany) | 75c3b0b4-4c49-4087-b6d7-d6bc3d163839 |
| SCIP notification number (Hungary) | 5875b682-4476-4443-85a2-5869d9af4fac |
| SCIP notification number (Italy) | 97be450c-5352-4b60-b728-7e853c313808 |
| SCIP notification number (Netherlands) | 3f1de337-b048-4677-98a9-327ae6375c23 |
| SCIP notification number (Poland) | 62a68e47-eda4-431d-936b-95e9c99d284f |
| SCIP notification number (Romania) | 267c18ac-9744-4a5e-af7b-72834f9632c5 |
| SCIP notification number (Sweden) | 0b29bad9-caf4-40c5-a089-75e5a6bb9211 |

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|---|
| | EAC Brjansker Zertifizierungsstelle | TP TC 020/2011 | EAC_Certificate_RU_C-DE.AM02.B.00115_19 |
| | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011 | EAC RU C-DE.AM02.B.00122/19 |
| | UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-1 | E175199 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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Optional accessories

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 |

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 | 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 |

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 mm ² ; Push-in CAGE CLAMP®; 2,50 mm ² ; gray | www.wago.com/2002-1961 |
| Item no.: 2002-1761 | 3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm ² ; Push-in CAGE CLAMP®; | www.wago.com/2002-1761 |

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2,50 mm²; gray**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®; www.wago.com/2002-1861
2,50 mm²; gray

Downloads

Documentation

Bid Text

| | | | |
|---------------------------|--------------|-----------------|----------|
| 2042-3879 docx - Datei | 2019 年2月20 日 | docx 17.2 kB | Download |
|---------------------------|--------------|-----------------|----------|

| | | | |
|--------------------------|--------------|---------------|----------|
| 2042-3879 X81 - Datei | 2019 年2月19 日 | xml 4.0 kB | Download |
|--------------------------|--------------|---------------|----------|

Instruction Leaflet

| | | | |
|---|---------|---------------|----------|
| Pluggable Relay Module / Pluggable Solid-State Relay Module | V 1.1.0 | pdf 2.0 MB | Download |
|---|---------|---------------|----------|

Additional Information

| | | | |
|---|-------------------------|---------------|----------|
| Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging | V 1.1.0 2022 年8月18 日 | pdf 2.2 MB | Download |
|---|-------------------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|------------------------|-----|----------|
| 2D/3D Models 2042-3879 | URL | Download |
|------------------------|-----|----------|

CAE data

| | | |
|------------------------|-----|----------|
| ZUKEN Portal 2042-3879 | URL | Download |
|------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

| | | |
|---|-----|----------|
| Environmental Product Compliance 2042-3879 Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 3 break contacts and 1 make contact; Limiting continuous current: 3 A; Green status indicator; Module width: 25 mm | URL | Download |
|---|-----|----------|

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Installation Notes

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