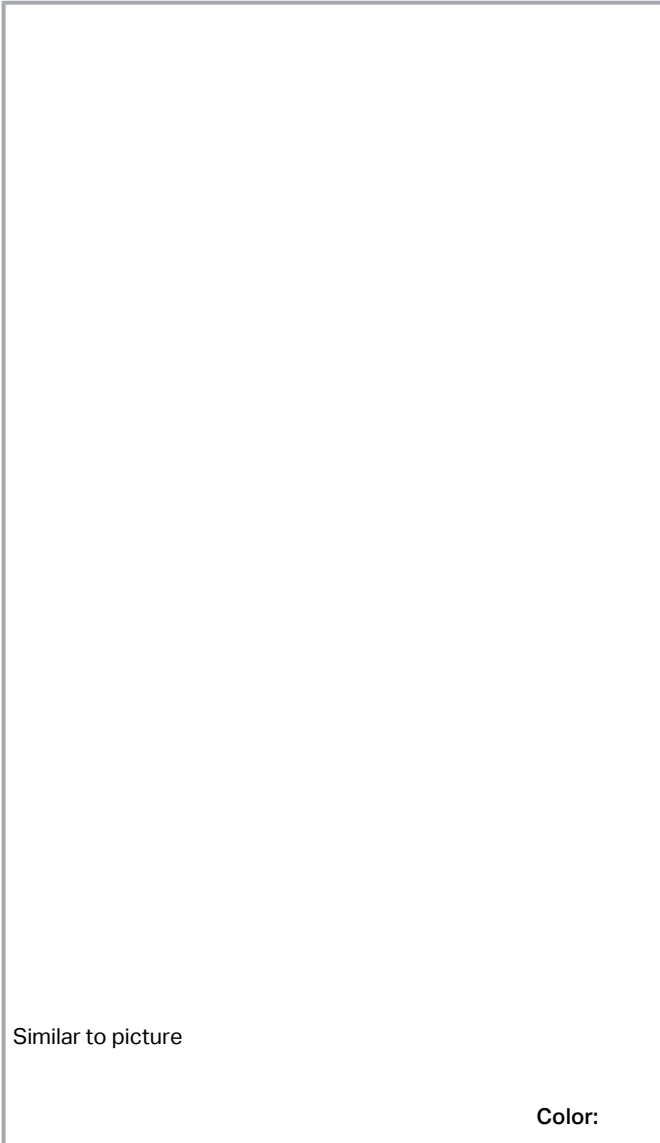


Data sheet | Item number: 859-360

Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; with gold contacts; Red status indicator; Module width: 6 mm; 2,50 mm²; gray

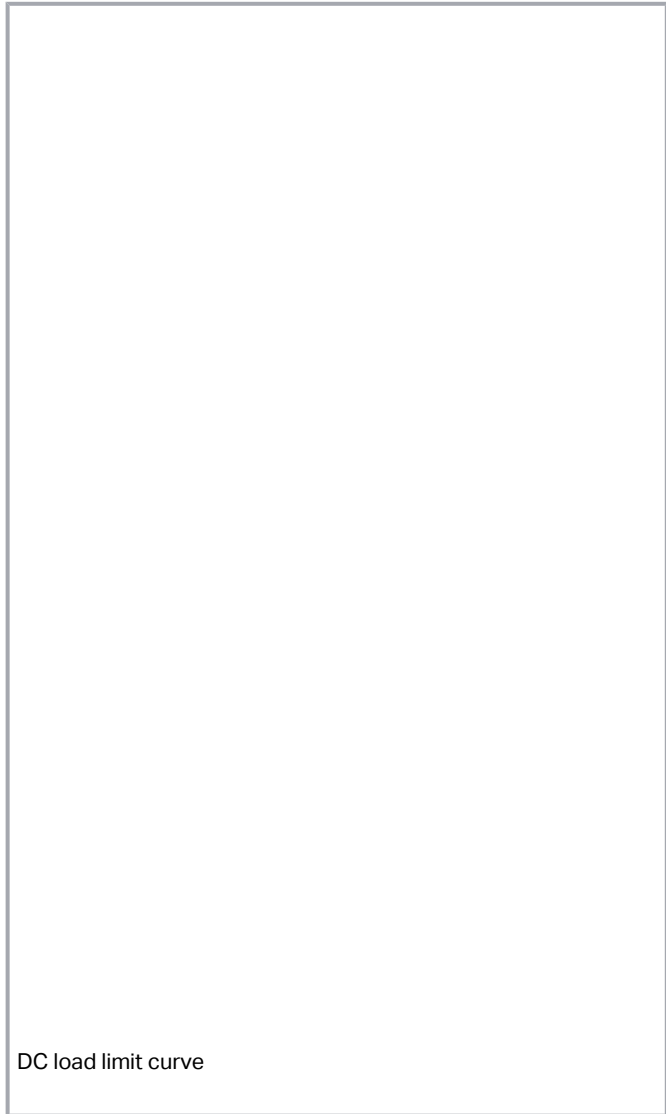
www.wago.com/859-360



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

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Data
Notes

Note

- To prevent damaging the gold layer, 30 V switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.
- To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

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Technical data

Control Circuit

| | |
|--------------------------------|---------------|
| Nominal input voltage U_N | AC/DC 115 V |
| Input voltage range | -15 ... +10 % |
| Nominal input current at U_N | 4 mA |

Load circuit

| | |
|--|---|
| Number of changeover/switchover contacts | 1 |
| Contact material (relay) | AgNi + Au |
| Limiting continuous current | 5 A |
| Inrush current (resistive) max. | (AC) 20 A / 0.02 s |
| Switching voltage (max.) | AC 250 V |
| Switching power (resistive) max. | AC 1250 VA; DC (see load limit curve) |
| Switching capacity | AC-15: 3 A / AC 250 V; DC-13: 2 A / DC 24 V |
| Recommended minimum load | 1 V / 1 mA / 1 mW |
| Pull-in time (typ.) | 15 ms |
| Drop-out time (typ.) | 30 ms |
| Bounce time (typ.) | 3.5 ms |
| Electrical life (NO; resistive load; 23 °C) | 50 x 10 ³ switching operations |
| Mechanical life | 5 x 10 ⁶ switching operations |
| Switching frequency with/without load (max.) | 6 min ⁻¹ / 180 min ⁻¹ |

Signaling

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

Safety and protection

| | |
|--|--|
| Rated voltage | 300 V |
| Rated surge voltage | 4 kV |
| Overtoltage category | III |
| Pollution degree | 2 |
| Dielectric strength (control/load circuit) (AC, 1 min) | 4 kVrms |
| Dielectric strength (open contact) (AC, 1 min) | 1 kVrms |
| Insulation type (control/load circuit) | Reinforced insulation (safe isolation) |
| Insulation type (adjacent devices) | Reinforced insulation (safe isolation) |

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



| | |
|-----------------|--|
| Protection type | IP20; in connected state or when using 859-525 end plate |
|-----------------|--|

Connection data

| | |
|---|--|
| Connection technology | CAGE CLAMP® |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.08 ... 1.5 mm ² / 28 ... 16 AWG |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inches |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 6 mm / 0.236 inches |
| Height | 91 mm / 3.583 inches |
| Depth from upper-edge of DIN-rail | 56 mm / 2.205 inches |

Mechanical data

| | |
|-------------------|---------------------------------------|
| Mounting type | DIN-35 rail |
| Mounting position | Horizontal (standing/lying); vertical |

Material Data

| | |
|-----------|----------|
| Color | gray |
| Fire load | 0.338 MJ |
| Weight | 25 g |

Environmental requirements

| | |
|--|--|
| Ambient temperature (operation at U _N) | -40 ... +50 °C |
| Ambient temperature (storage) | -40 ... +70 °C |
| Processing temperature | -25 ... +50 °C |
| Temperature range of connection cable | ≥ (T _{ambient} + 20 K) |
| Relative humidity | 5 ... 95 % (no condensation permissible) |
| Operating altitude (max.) | 2000 m |

Standards and specifications

| | |
|--------------------------|--|
| Standards/specifications | EN 61010-2-201 EN 61810-1 EN 61373 |
|--------------------------|--|

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UL 508
DNV

Commercial data

| | |
|-----------------------|--------------------------|
| Product Group | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0 | 27-37-16-01 |
| eCl@ss 9.0 | 27-37-16-01 |
| ETIM 8.0 | EC001437 |
| ETIM 7.0 | EC001437 |
| PU (SPU) | 1 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4066966423624 |
| Customs tariff number | 85364900990 |

Environmental Product Compliance

| | |
|---|--|
| CAS-No. | 7439-92-1 79-94-7 |
| REACH Candidate List Substance | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 7(a) 7(c)-I |
| SCIP notification number (Austria) | e9e94ea8-e274-4860-8a1c-171c026bfc47 |
| SCIP notification number (Belgium) | a65ca962-c0b9-48e2-8953-0b576fe188c9 |
| SCIP notification number (Bulgaria) | 21072648-3575-4d1c-83c1-9a695c487f1c |
| SCIP notification number (Czech Republic) | 7ebe890b-5c84-478f-a6b9-1b3a9872b6b0 |
| SCIP notification number (Denmark) | d4aecfb8-af8e-4024-b082-ca58bc18eeb5 |
| SCIP notification number (Finland) | 7c45c59c-e853-4fd2-a1c1-5408a5d8e79f |
| SCIP notification number (France) | d10ba493-984b-4566-93c0-1a11cd97360f |
| SCIP notification number (Germany) | 9f41cda8-272e-427f-9b47-67db27df9fb2 |
| SCIP notification number (Hungary) | 4753612e-ca44-4e78-9824-1a8e8ecf141b |
| SCIP notification number (Italy) | f3eb3be9-44d0-4e8b-a808-e8f5d5579ebe |
| SCIP notification number (Netherlands) | ea5cb15e-c7cd-47a3-b5d6-998each9fb4f |
| SCIP notification number (Poland) | 9e62ae2c-47fe-46e4-8fad-f6b7916ea949 |
| SCIP notification number (Romania) | 6cc9777f-036f-4ab4-87b3-bdeb9a9afff8 |
| SCIP notification number (Sweden) | 661b5a23-2afb-4200-8f05-bca416843910 |

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Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.4 |

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--------------------------------------|--------------------------|-----------------------|
| | DNV DNV Germany GmbH | DNV-CG-0339, Aug. 2021 | TAA00001D1 |
| | PRS Polski Rejestr Statków | - | TE/2186 /880590/18 |

Approvals for hazardous areas

| Logo | Approval | Additional Approval Text | Certificate name |
|------|-----------------------------------|--------------------------|---------------------------------------|
| | CCC CNEX | CNCA-C23-01 | 2021312304000982 (Ex ec nC IIC T4 Gc) |
| | UKEx WAGO GmbH & Co. KG | EN 60079-0 | UKCA_WAGO22UKEX007X_ec nC |

Optional accessories

End plate

| | | |
|--|--|--|
| Intermediate plate | | |
| Item no.: 859-525 End and intermediate plate; 1 mm thick; gray | | www.wago.com/859-525 |

Testing and measuring

| | | |
|--|--|--|
| Testing accessories | | |
| Item no.: 859-500 WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm ² | | www.wago.com/859-500 |

Ferrule

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 Ferrule

| | |
|---|--|
| Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
| Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
| Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
| Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-322 |

 Marking accessories

 Marking device

| | |
|---|--|
| Item no.: 210-110 Fiber-tip pen | www.wago.com/210-110 |
|---|--|

 Marker

| | |
|---|--|
| Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
| Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/248-501 |
| Item no.: 248-504 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/248-504 |
| Item no.: 248-503 Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/248-503 |
| Item no.: 248-506 Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/248-506 |
| Item no.: 248-502 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/248-502 |

 Tool

 Operating tool

| | |
|--|--|
| Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |
|--|--|

 Jumpers

 Jumper

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



Item no.: 859-404/000-005
Jumper; for jumper slot; 4-way; insulated; red

www.wago.com/859-404/000-005

Item no.: 859-404/000-006
Jumper; for jumper slot; 4-way; insulated; blue

www.wago.com/859-404/000-006

Item no.: 859-405/000-005
Jumper; for jumper slot; 5-way; insulated; red

www.wago.com/859-405/000-005

Item no.: 859-405/000-029
Jumper; for jumper slot; 5-way; insulated; yellow

www.wago.com/859-405/000-029

Item no.: 859-405
Jumper; for jumper slot; 5-way; insulated; light gray

www.wago.com/859-405

Item no.: 859-404/000-029
Jumper; for jumper slot; 4-way; insulated; yellow

www.wago.com/859-404/000-029

Item no.: 859-405/000-006
Jumper; for jumper slot; 5-way; insulated; blue

www.wago.com/859-405/000-006

Item no.: 859-406/000-005
Jumper; for jumper slot; 6-way; insulated; red

www.wago.com/859-406/000-005

Item no.: 859-409/000-029
Jumper; for jumper slot; 9-way; insulated; yellow

www.wago.com/859-409/000-029

Item no.: 859-410/000-005
Jumper; for jumper slot; 10-way; insulated; red

www.wago.com/859-410/000-005

Item no.: 859-410/000-029
Jumper; for jumper slot; 10-way; insulated; yellow

www.wago.com/859-410/000-029

Item no.: 859-410
Jumper; for jumper slot; 10-way; insulated; light gray

www.wago.com/859-410

Item no.: 859-410/000-006
Jumper; for jumper slot; 10-way; insulated; blue

www.wago.com/859-410/000-006

Item no.: 859-403/000-005
Jumper; for jumper slot; 3-way; insulated; red

www.wago.com/859-403/000-005

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

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Item no.: 859-402/000-029
Jumper; for jumper slot; 2-way; insulated; yellow

www.wago.com/859-402/000-029

Item no.: 859-403/000-029
Jumper; for jumper slot; 3-way; insulated; yellow

www.wago.com/859-403/000-029

Item no.: 859-403/000-006
Jumper; for jumper slot; 3-way; insulated; blue

www.wago.com/859-403/000-006

Item no.: 859-408/000-005
Jumper; for jumper slot; 8-way; insulated; red

www.wago.com/859-408/000-005

Item no.: 859-408/000-029
Jumper; for jumper slot; 8-way; insulated; yellow

www.wago.com/859-408/000-029

Item no.: 859-409
Jumper; for jumper slot; 9-way; insulated; light gray

www.wago.com/859-409

Item no.: 859-408/000-006
Jumper; for jumper slot; 8-way; insulated; blue

www.wago.com/859-408/000-006

Item no.: 859-403
Jumper; for jumper slot; 3-way; insulated; light gray

www.wago.com/859-403

Item no.: 859-409/000-005
Jumper; for jumper slot; 9-way; insulated; red

www.wago.com/859-409/000-005

Item no.: 859-404
Jumper; for jumper slot; 4-way; insulated; light gray

www.wago.com/859-404

Item no.: 859-409/000-006
Jumper; for jumper slot; 9-way; insulated; blue

www.wago.com/859-409/000-006

Item no.: 859-402/000-006
Jumper; for jumper slot; 2-way; insulated; blue

www.wago.com/859-402/000-006

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

www.wago.com/859-402

Item no.: 859-402/000-005
Jumper; for jumper slot; 2-way; insulated; red

www.wago.com/859-402/000-005

Item no.: 859-406/000-006
Jumper; for jumper slot; 6-way; insulated; blue

www.wago.com/859-406/000-006

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



| | |
|---|--|
| Item no.: 859-406/000-029 Jumper; for jumper slot; 6-way; insulated; signal yellow | www.wago.com/859-406/000-029 |
| Item no.: 859-407/000-006 Jumper; for jumper slot; 7-way; insulated; blue | www.wago.com/859-407/000-006 |
| Item no.: 859-407/000-005 Jumper; for jumper slot; 7-way; insulated; red | www.wago.com/859-407/000-005 |
| Item no.: 859-407/000-029 Jumper; for jumper slot; 7-way; insulated; yellow | www.wago.com/859-407/000-029 |
| Item no.: 859-407 Jumper; for jumper slot; 7-way; insulated; light gray | www.wago.com/859-407 |

Downloads

Documentation

Bid Text

| | | | |
|-------------------------|--------------|-----------------|----------|
| 859-360 docx - Datei | 2019 年2月20 日 | docx 17.5 kB | Download |
| 859-360 X81 - Datei | 2019 年2月19 日 | xml 5.1 kB | Download |

Instruction Leaflet

| | | | |
|--|-------------------------|-----------------|----------|
| CCC Ex (Additional information) 859-*** | 2023 年4月26 日 | pdf 135.9 kB | Download |
| Relay modules, Optocoupler modules | V 2.0.0 2022 年1月19 日 | pdf 2.1 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

CAE data

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| | | |
|---------------------------|---------------------|--------------------------|
| EPLAN Data Portal 859-360 | URL | Download |
| WSCAD Universe 859-360 | URL | Download |
| ZUKEN Portal 859-360 | URL | Download |
| CAD data | | |
| 2D/3D Models 859-360 | URL | Download |

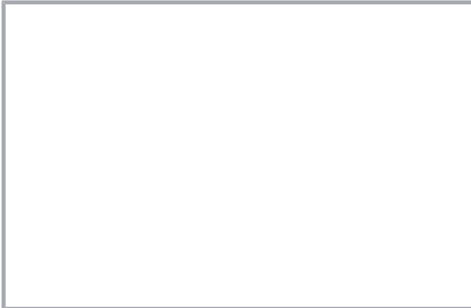
Environmental Product Compliance

Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 859-360 | URL | Download |
| Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; with gold contacts; Red status indicator; Module width: 6 mm; 2,50 mm ² ; gray | | |

Installation Notes

Conductor termination



Conductor termination

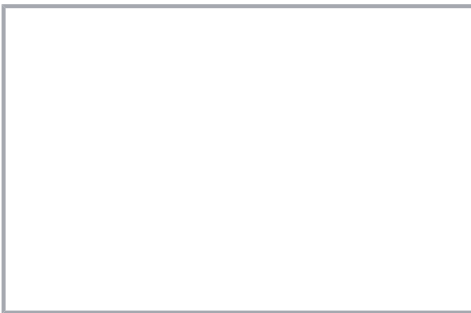
Commoning

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



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System

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