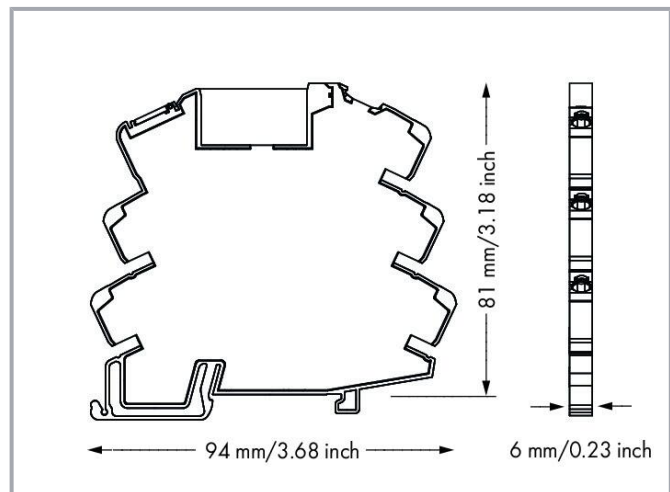
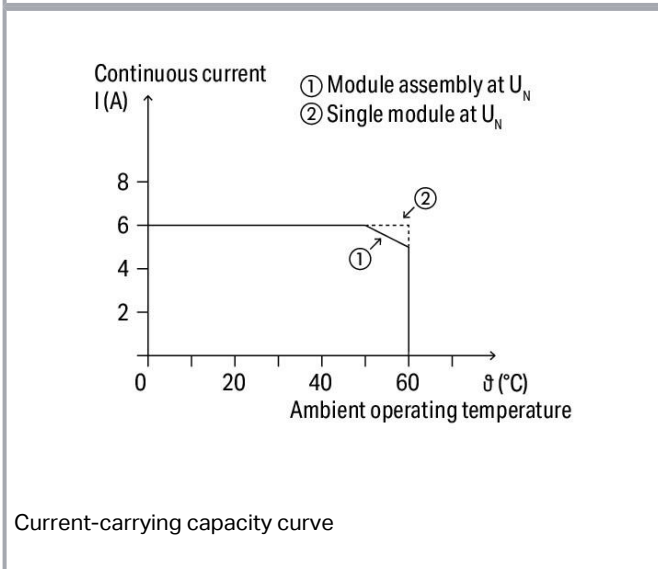
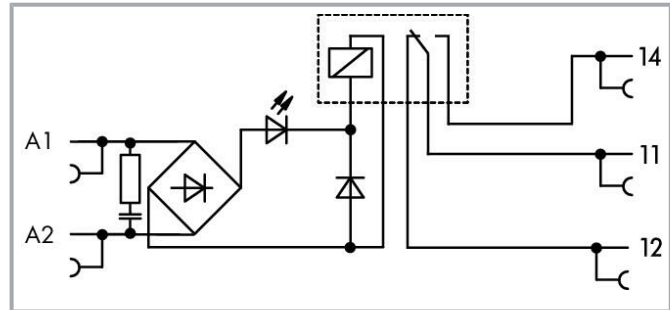
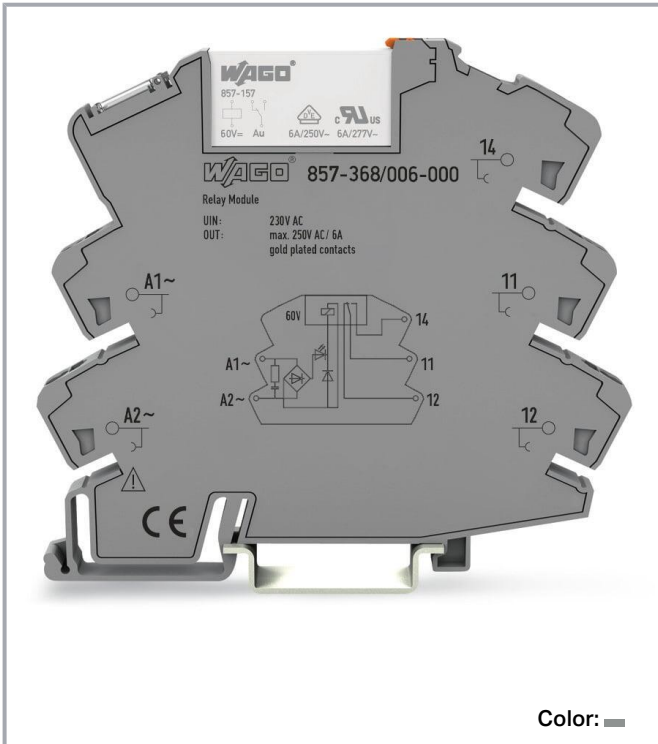


Data sheet | Item number: 857-368/006-000

Relay module; Nominal input voltage: 230 VAC; 1 changeover contact;
Limiting continuous current: 6 A; with gold contacts; with integrated base
load module; Yellow status indicator; Module width: 6 mm; 2,50 mm²; gray



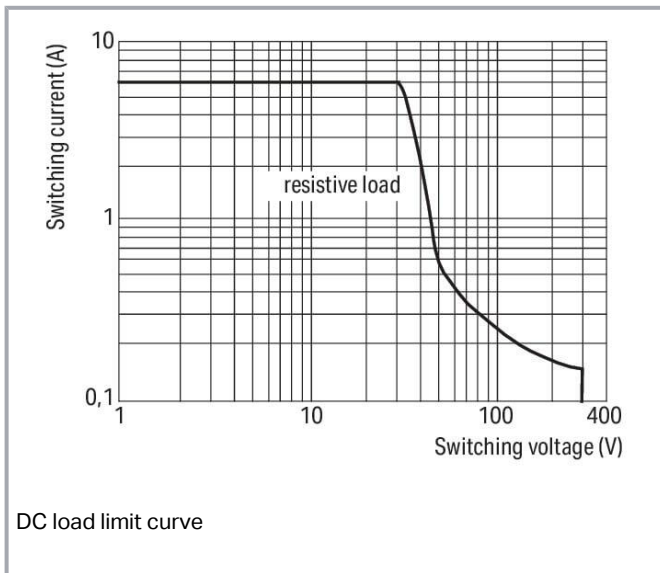
www.wago.com/857-368/006-000



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WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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Data

Notes

Safety information

Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. An end stop (249-116) must be fitted to devices of other types for compliance with the reinforced insulation requirements.

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.

Technical data

Control Circuit

| | |
|--------------------------------|---------------|
| Nominal input voltage U_N | AC 230 V |
| Input voltage range | -15 ... +10 % |
| Nominal input current at U_N | 16 mA |
| Line capacitance (max.) | 170 nF |

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| | |
|---|---|
| Cable length (control circuit) | ≤ 350 m (for a line capacitance of 330 nF/km) |
| Nominal frequency range (input voltage) | 50 ... 60 HzAC |

Load circuit

| | |
|--|---|
| Number of changeover/switchover contacts | 1 |
| Contact material (relay) | AgNi + Au |
| Limiting continuous current | 6 A |
| Inrush current (resistive) max. | (AC) 20 A / 0.02 s |
| Switching voltage (max.) | AC 250 V |
| Switching power (resistive) max. | AC 1500 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.) | 25 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 | Yellow LED |
|------------------|------------|

Safety and protection

| | |
|---|--|
| Rated voltage | 300 V |
| Rated surge voltage | 4 kV |
| Type of circuits | Mains circuits |
| Overvoltage category | III |
| Pollution degree | 2 |
| Dielectric strength (control/load circuit) (AC, 1 min) | 3.51 kVrms |
| Dielectric strength (open contact) (AC, 1 min) | 1 kVrms |
| Insulation type (control/load circuit) | Reinforced insulation (safe isolation) |
| Insulation type (between adjacent devices of the same type) | Double insulation (safe isolation) |
| Insulation type (to adjacent devices of different types) | Basic insulation |
| Safety information | Adjacent devices are devices of the same design (series) that are arranged next to each other with the same orientation on the mounting rail. An end stop (249-116) must be fitted to devices of |

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



other types for compliance with the reinforced insulation requirements.

| | |
|-----------------|------|
| Protection type | IP20 |
|-----------------|------|

Connection data

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Solid conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor | 0.34 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.34 ... 1.5 mm ² / 22 ... 16 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inches |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 6 mm / 0.236 inches |
| Height | 94 mm / 3.701 inches |
| Depth from upper-edge of DIN-rail | 81 mm / 3.189 inches |

Mechanical data

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

Material Data

| | |
|-----------|----------|
| Color | gray |
| Fire load | 0.623 MJ |
| Weight | 31.5 g |

Environmental requirements

| | |
|--|--|
| Ambient temperature (operation at U _N) | -40 ... +60 °C |
| Ambient temperature (storage) | -40 ... +70 °C |
| Processing temperature | -25 ... +50 °C |
| Temperature range of connection cable | ≥ (T _{ambient} + 30 K) |
| Relative humidity | 5 ... 85 % (no condensation permissible) |
| Operating altitude (max.) | 2000 m |

Standards and specifications

| | |
|--------------------------|----------------|
| Standards/specifications | EN 61010-2-201 |
|--------------------------|----------------|

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EN 61810-1
EN 61373

Basic relay

WAGO Basic Relay 857-157

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) | 25 (1) pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821873402 |
| 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 | 6(c) 7(a) 7(c)-I 7(c)-II |
| SCIP notification number (Bulgaria) | c90e8389-8fc8-4d04-b6bf-ce110031b7e8 |
| SCIP notification number (Czech Republic) | 9842fd9b-292a-4d58-a8a9-6f6f56d1dc77 |

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|-------------------------------------|
|  | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011 | EAC RU C-DE.AM02. B.00122 /19 |

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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 | - | - |

Optional accessories














| Ferrule | | | |
|--|--|--|--|
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | | www.wago.com/216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | | www.wago.com/216-242 |
|  | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | | www.wago.com/216-243 |
|  | Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | | www.wago.com/216-244 |
| Basic Relay | | | |
|  | Item no.: 857-157 Basic relay; Nominal input voltage: 60 VDC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; Module width: 5 mm; Module height: 15 mm | | www.wago.com/857-157 |

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 |
| Double marker carrier | | | |
|  | Item no.: 209-128 Adaptor; gray | | www.wago.com/209-128 |

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

Marking devices

| | | |
|--|--|--|
|  | Item no.: 210-110 Fiber-tip pen | www.wago.com/210-110 |
| Protective marker cover | | |
|  | Item no.: 209-184 Protection cover; transparent | www.wago.com/209-184 |
| 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.: 209-183 Marker; white | www.wago.com/209-183 |
|  | Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/793-501 |
|  | Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-502 |
|  | Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-503 |
|  | Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-504 |
|  | Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-505 |
|  | Item no.: 793-506 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-506 |
|  | Item no.: 793-566 WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white | www.wago.com/793-566 |
|  | 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 |
| Group marker carrier | | |
|  | Item no.: 249-105 Group marker carrier; gray | www.wago.com/249-105 |
| Tool | | |
| Operating tool | | |

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



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



Item no.: 859-408

Jumper; for jumper slot; 8-way; insulated; light gray

www.wago.com/859-408



Item no.: 281-482

Jumper; 2-way; insulated; gray

www.wago.com/281-482



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.: 859-406

Jumper; for jumper slot; 6-way; insulated; light gray

www.wago.com/859-406



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

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

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Hansastr. 27















32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169












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| | | |
|---|---|---|
|  | <p>Item no.: 859-410/000-005 Jumper; for jumper slot; 10-way; insulated; red</p> | <p>www.wago.com/859-410/000-005</p> |
|  | <p>Item no.: 859-410/000-029 Jumper; for jumper slot; 10-way; insulated; yellow</p> | <p>www.wago.com/859-410/000-029</p> |
|  | <p>Item no.: 859-410 Jumper; for jumper slot; 10-way; insulated; light gray</p> | <p>www.wago.com/859-410</p> |
|  | <p>Item no.: 859-410/000-006 Jumper; for jumper slot; 10-way; insulated; blue</p> | <p>www.wago.com/859-410/000-006</p> |
|  | <p>Item no.: 859-403/000-005 Jumper; for jumper slot; 3-way; insulated; red</p> | <p>www.wago.com/859-403/000-005</p> |
|  | <p>Item no.: 859-402/000-029 Jumper; for jumper slot; 2-way; insulated; yellow</p> | <p>www.wago.com/859-402/000-029</p> |
|  | <p>Item no.: 859-403/000-029 Jumper; for jumper slot; 3-way; insulated; yellow</p> | <p>www.wago.com/859-403/000-029</p> |
|  | <p>Item no.: 859-403/000-006 Jumper; for jumper slot; 3-way; insulated; blue</p> | <p>www.wago.com/859-403/000-006</p> |
|  | <p>Item no.: 859-408/000-005 Jumper; for jumper slot; 8-way; insulated; red</p> | <p>www.wago.com/859-408/000-005</p> |
|  | <p>Item no.: 859-408/000-029 Jumper; for jumper slot; 8-way; insulated; yellow</p> | <p>www.wago.com/859-408/000-029</p> |
|  | <p>Item no.: 859-409 Jumper; for jumper slot; 9-way; insulated; light gray</p> | <p>www.wago.com/859-409</p> |
|  | <p>Item no.: 859-408/000-006 Jumper; for jumper slot; 8-way; insulated; blue</p> | <p>www.wago.com/859-408/000-006</p> |
|  | <p>Item no.: 859-403 Jumper; for jumper slot; 3-way; insulated; light gray</p> | <p>www.wago.com/859-403</p> |
|  | <p>Item no.: 859-409/000-005 Jumper; for jumper slot; 9-way; insulated; red</p> | <p>www.wago.com/859-409/000-005</p> |

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| | | |
|--|--|--|
|  | 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 |
|  | 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

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| 857-368/006-000 | 2019 Feb 20 | docx | Download |
| docx - Datei | | 17.3 kB | |

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Hansastr. 27
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Phone: +49571 887-0 | Fax: +49571 887-169
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| X81 - Datei | 2019 Feb 19 | xml 5.4 kB | Download |
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Instruction Leaflet

| | | | |
|---|------------------------|---------------|----------|
| Elektromechanical and Solid-State Relays/Optocouplers | V 2.0.0 2022 Feb 15 | pdf 2.6 MB | Download |
|---|------------------------|---------------|----------|

Additional Information

| | | | |
|---|------------------------|---------------|----------|
| Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging | V 1.1.0 2022 Aug 18 | pdf 2.2 MB | Download |
|---|------------------------|---------------|----------|

CAD/CAE-Data

CAE data

| | | | |
|-----------------------------------|--|-----|----------|
| EPLAN Data Portal 857-368/006-000 | | URL | Download |
|-----------------------------------|--|-----|----------|

| | | | |
|--------------------------------|--|-----|----------|
| WSCAD Universe 857-368/006-000 | | URL | Download |
|--------------------------------|--|-----|----------|

| | | | |
|------------------------------|--|-----|----------|
| ZUKEN Portal 857-368/006-000 | | URL | Download |
|------------------------------|--|-----|----------|

| | | | |
|--------------------------------|--|-----|----------|
| WSCAD Universe 857-368/006-000 | | URL | Download |
|--------------------------------|--|-----|----------|

| | | | |
|-----------------------------------|--|-----|----------|
| EPLAN Data Portal 857-368/006-000 | | URL | Download |
|-----------------------------------|--|-----|----------|

CAD data

| | | | |
|------------------------------|--|-----|----------|
| 2D/3D Models 857-368/006-000 | | URL | Download |
|------------------------------|--|-----|----------|

Environmental Product Compliance

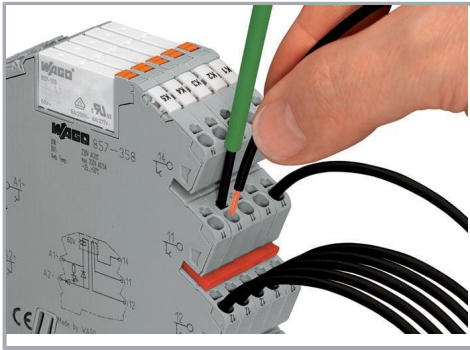
Compliance Search

| | | | |
|--|--|-----|----------|
| Environmental Product Compliance 857-368/006-000 Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 6 A; with gold contacts; with integrated base load module; Yellow status indicator; Module width: 6 mm; 2,50 mm ² ; gray | | URL | Download |
|--|--|-----|----------|

Installation Notes

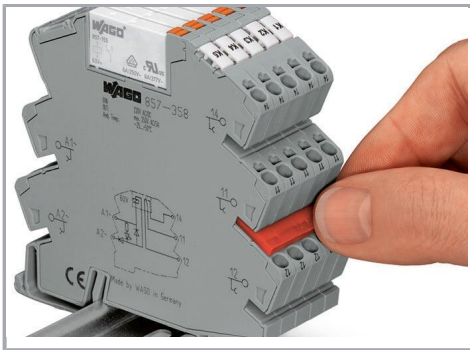
Conductor termination

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



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via WMB Multi Marking System.

Installation

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



Removing a relay via ejector.

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