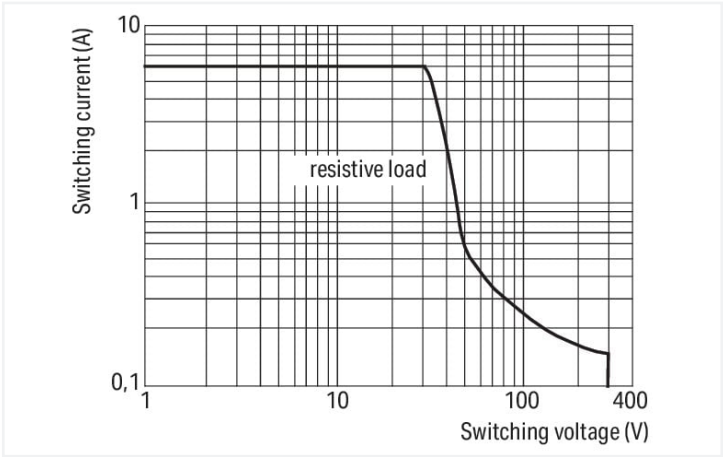
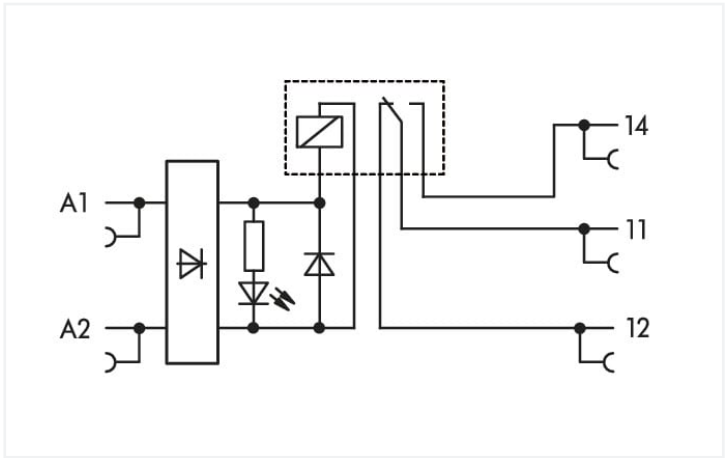
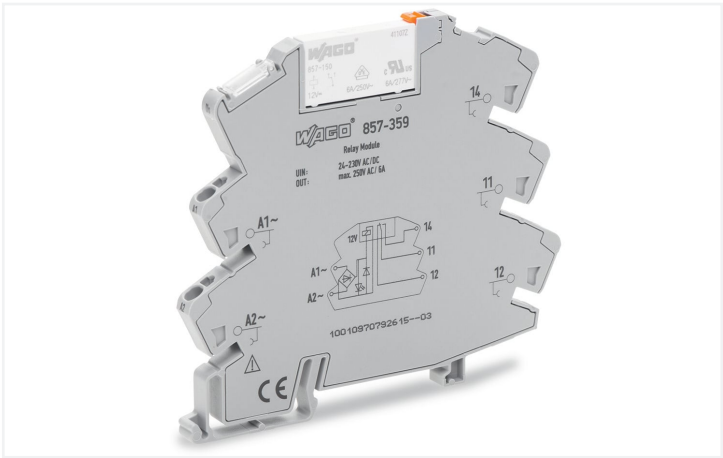


Data Sheet | Item Number: 857-359

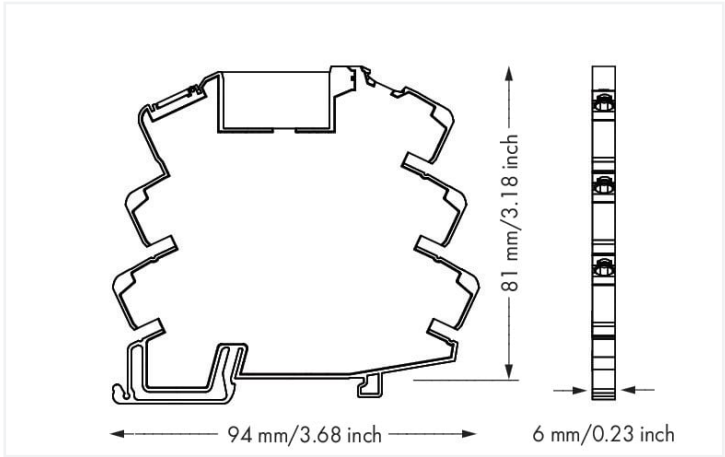
Relay module; Nominal input voltage: 24 ... 230 V AC/DC; 1 changeover contact; Limiting continuous current: 6 A; Yellow status indicator; Module width: 6 mm



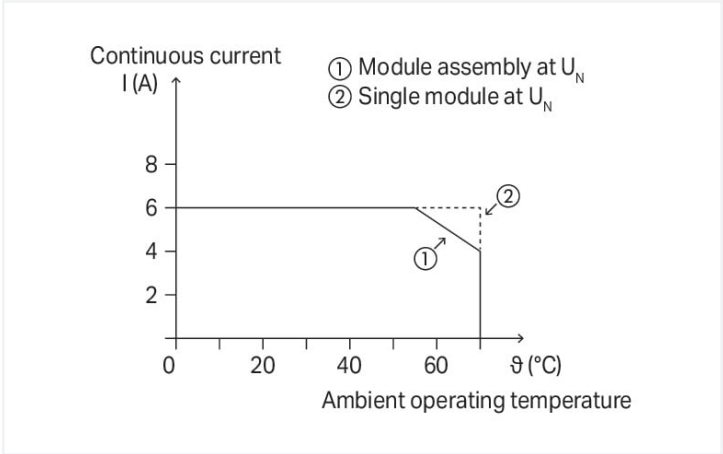
<https://www.wago.com/857-359>



DC load limit curve



Dimensions in mm



Current-carrying capacity curve



| 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 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/DC 24 ... 230 V |
| Input voltage range | -30 ... +10 % |
| Nominal input current at U _N | 4 mA (230 VAC); 20 mA (24 VDC) |
| Nominal frequency range (input voltage) | 50 ... 60 HzAC / 0 HzDC |
| Load circuit | |
| Number of changeover/switchover contacts | 1 |
| Contact material (relay) | AgSnO ₂ |
| 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 | 10 V / 10 mA; 24 V / 1 mA |
| 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 / 60 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 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 mm² / 22 ... 14 AWG |
| Fine-stranded conductor | 0.34 ... 2.5 mm² / 22 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.34 ... 1.5 mm² / 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

| | |
|-----------|----------|
| Fire load | 0.552 MJ |
| Weight | 30.9 g |

Environmental requirements

| | |
|--|--|
| Ambient temperature (operation at U _N) | -25 ... +70 °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 50121-3-2 EN 61010-2-201 EN 61810-1 EN 61373 EN 61000-6-2 EN 61000-6-3 EN 50121-3 UL 508 |
|--------------------------|--|

Basic relay

| | |
|------------------|---------|
| WAGO Basic Relay | 857-150 |
|------------------|---------|

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 | 4050821856689 |
| Customs tariff number | 85364900990 |



Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|--|----------------|---------------------------------|
| EAC Brjansker Zertifizierungs- stelle | TP TC 004/2011 | EAC RU C-DE.AM02. B.00122/19 |
| UL UL International Nether- lands B.V. (ORDINARY LO- CATIONS) | UL 508 | E175199 Sec.4 |

Downloads

Environmental Product Compliance

| Compliance Search |
|---|
| Environmental Product Compliance 857-359 |




Documentation

| Additional Information |
|--|
| Confirmation for use in railway applications, 857-359, 857-369 |

pdf
360.66 KB



| Bid Text | | | |
|----------|------------|------------------|---|
| 857-359 | 19.02.2019 | xml 5.04 KB |  |
| 857-359 | 20.02.2019 | docx 16.86 KB |  |



CAD/CAE-Data

| CAD data |
|----------------------|
| 2D/3D Models 857-359 |



| CAE data |
|------------------------------|
| EPLAN Data Portal 857-359 |
| WSCAD Universe 857-359 |
| ZUKEN Portal 857-359 |



1 Compatible Products

1.1 Optional Accessories

1.1.1 Basic relay



1.1.1.1 Basic relay



Item No.: 857-150
Basic relay; Nominal input voltage: 12 VDC; 1 changeover contact; Limiting continuous current: 6 A; Module width: 5 mm; Module height: 15 mm

1.1.2 Ferrule

1.1.2.1 Ferrule



Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 281-482
Jumper; 2-way; insulated; gray



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



Item No.: 859-406
Jumper; for jumper slot; 6-way; insulated; light gray



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



Item No.: 859-406/000-029
Jumper; for jumper slot; 6-way; insulated; signal yellow



Item No.: 859-407/000-006
Jumper; for jumper slot; 7-way; insulated; blue



Item No.: 859-407
Jumper; for jumper slot; 7-way; insulated; light gray



Item No.: 859-407/000-005
Jumper; for jumper slot; 7-way; insulated; red



Item No.: 859-407/000-029
Jumper; for jumper slot; 7-way; insulated; yellow



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



Item No.: 859-408
Jumper; for jumper slot; 8-way; insulated; light gray




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



1.1.3.1 Jumper



[Item No.: 859-408/000-029](#)
Jumper; for jumper slot; 8-way; insulated; yellow



[Item No.: 859-409/000-029](#)
Jumper; for jumper slot; 9-way; insulated; yellow

[Item No.: 859-409/000-006](#)
Jumper; for jumper slot; 9-way; insulated; blue

[Item No.: 859-409](#)
Jumper; for jumper slot; 9-way; insulated; light gray

[Item No.: 859-409/000-005](#)
Jumper; for jumper slot; 9-way; insulated; red

1.1.4 Marking

1.1.4.1 Double marker carrier



[Item No.: 209-128](#)
Adaptor; gray

1.1.4.2 Group marker carrier



[Item No.: 249-105](#)
Group marker carrier; gray

1.1.4.3 Marker



[Item No.: 209-183](#)
Marker; white

[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

[Item No.: 793-502](#)
WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

[Item No.: 793-566](#)
WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white



[Item No.: 793-503](#)
WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

[Item No.: 793-504](#)
WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

[Item No.: 793-505](#)
WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white

[Item No.: 793-506](#)
WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



[Item No.: 793-501](#)
WMB marking card; as card; not stretchable; plain; snap-on type; white

[Item No.: 2009-115](#)
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.4.4 Marking devices



[Item No.: 210-110](#)
Fiber-tip pen

1.1.4.5 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel;
not stretchable; plain; snap-on type; white

1.1.4.6 Protective marker cover



Item No.: 209-184
Protection cover; transparent

1.1.5 Tool

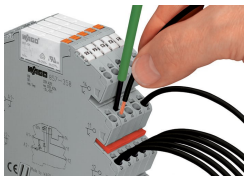
1.1.5.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a
partially insulated shaft; multicoloured

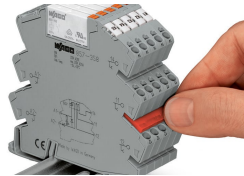
Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via WMB Multi Marking System.

Installation



Removing a relay via ejector.