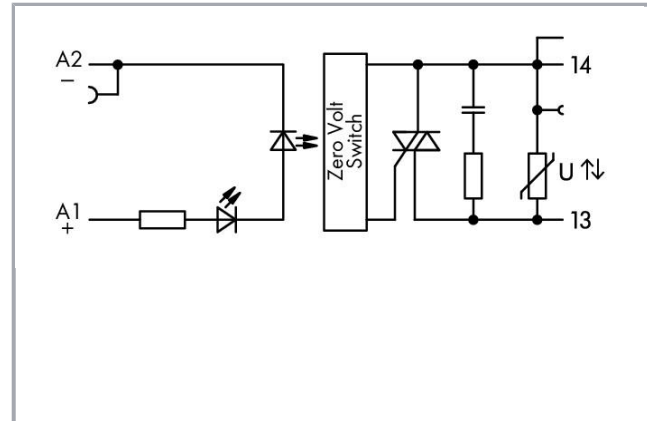
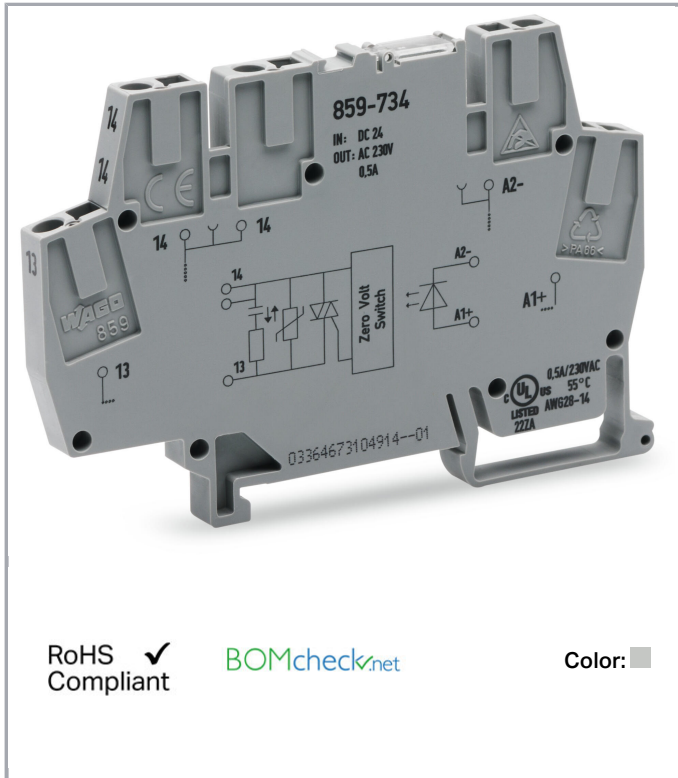


Data sheet | Item number: 859-734

Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 24 ... 260 VAC; Limiting continuous current: 0.5 A; 2-wire connection; zero-cross switching; Red status indicator; Module width: 6 mm; light gray



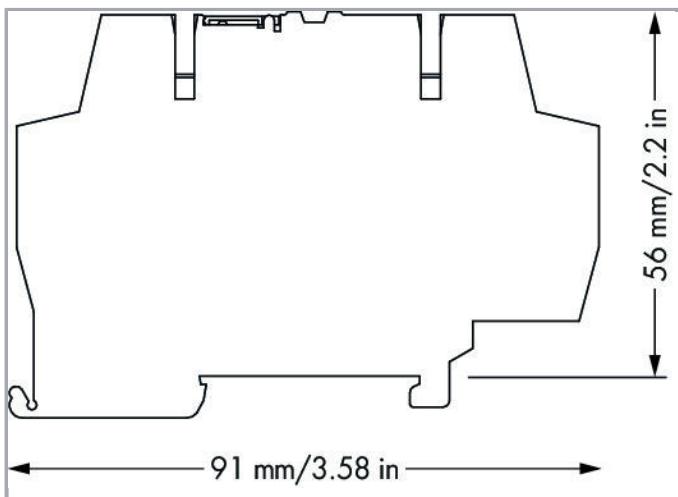
www.wago.com/859-734



RoHS Compliant

BOMcheck.net

Color:



Item description

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

**Note:**

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

Data**Technical Data****Control circuit**

| | |
|----------------------------------|------------------|
| Nominal input voltage U_N | DC 24 V |
| Input voltage range (low level) | DC 0 ... 5 V |
| Input voltage range (high level) | DC 19 ... 28.8 V |
| Nominal input current at U_N | 6 mA |

Load circuit:

| | |
|------------------------------------|---|
| Circuit type | 2-conductor termination Zero-voltage switching |
| Limiting continuous current | 0.5 A |
| Peak output current | 30 A |
| Output voltage range | AC 24 ... 260 V (50 ... 60 Hz) |
| Max. voltage drop at output | \leq AC 1.2 V |
| Leakage current at nominal voltage | \leq 1 mA |
| Min. switching current | 10 mA |
| Turn-on time | \leq 10 ms |
| Drop-out time | \leq 10 ms |
| Switching frequency | 50 Hz / 60 Hz |

Signaling

| | |
|-------------------|---------|
| Status indication | LED red |
|-------------------|---------|

Safety and protection:

| | |
|---|-----------|
| Dielectric strength, control/load circuit (AC, 1 min) | 2.5 kVrms |
|---|-----------|

Connection data

| | |
|-----------------------|--|
| Connection technology | CAGE CLAMP® |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |

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



| | |
|-------------------------|--|
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |

Geometrical Data

| | |
|---------------------------------------|--------------------|
| Width | 6 mm / 0.236 inch |
| Height from upper-edge of DIN-35 rail | 56 mm / 2.205 inch |
| Depth | 91 mm / 3.583 inch |

Mechanical data

| | |
|------------------|-------------|
| Type of mounting | DIN-35 rail |
|------------------|-------------|

Material Data

| | |
|-----------|------------|
| Color | light gray |
| Fire load | 0.313 MJ |
| Weight | 20.4 g |

Environmental Requirements

| | |
|---|----------------|
| Surrounding air (operating) temperature at U _N | -25 ... 55 °C |
| Surrounding air (storage) temperature | -40 ... 70 °C |
| Processing temperature | -25 ... +50 °C |

Standards and specifications

| | |
|--------------------------|------------------------------------|
| Standards/specifications | EN 61000-6-2; EN 61000-6-3; UL 508 |
|--------------------------|------------------------------------|

Commercial data

| | |
|--------------------|---------------------------|
| Product Group | 6 (Interface Electronics) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4055143605311 |
| Customs Tariff No. | 85365005000 |

Approvals / Certificates**UL-Approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | UL | UL 508 | E175199 |

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



Counterpart

Compatible products

End plate

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

Marking accessories

| | |
|--|--|
| 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.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white /000-002 | www.wago.com/2009-145 |
|---|--|

| | |
|--|--|
| Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-145 /000-005 |
|--|--|

| | |
|---|--|
| Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | www.wago.com/2009-145 /000-006 |
|---|--|

| | |
|--|--|
| Item no.: 2009-145/000-007 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 /000-007 |
|--|--|

| | |
|---|--|
| Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145 /000-012 |
|---|--|

| | |
|--|--|
| Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-145 /000-023 |
|--|--|

| |
|-----------------------------------|
| Item no.: 2009-145/000-024 |
|-----------------------------------|

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

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

www.wago.com/2009-145/000-024

Item no.: 210-110

Fiber-tip pen

www.wago.com/210-110



Item no.: 248-501

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

www.wago.com/248-501



Item no.: 248-501/000-002

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

www.wago.com/248-501/000-002



Item no.: 248-501/000-005

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

www.wago.com/248-501/000-005

Item no.: 248-501/000-006

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/248-501/000-006

Item no.: 248-501/000-007

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/248-501/000-007

Item no.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/248-501/000-012

Item no.: 248-501/000-017

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/248-501/000-017



Item no.: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/248-501/000-023

Item no.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024



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

Item no.: 248-502/000-024

Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; violet

www.wago.com/248-502/000-024

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

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

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



Item no.: 248-503/000-024 www.wago.com/248-503/000-024
Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; violet

Item no.: 248-504 www.wago.com/248-504
Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

Item no.: 248-504/000-024 www.wago.com/248-504/000-024
Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; violet

Item no.: 248-505/000-024 www.wago.com/248-505/000-024
Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; violet

Item no.: 248-506 www.wago.com/248-506
Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

ferrule



Item no.: 216-221 www.wago.com/216-221
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

Item no.: 216-222 www.wago.com/216-222
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item no.: 216-223 www.wago.com/216-223
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item no.: 216-224 www.wago.com/216-224
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item no.: 216-321 www.wago.com/216-321
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item no.: 216-322 www.wago.com/216-322
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

tools

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

Jumper



Item no.: 859-402 www.wago.com/859-402
Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; light gray



Item no.: 859-402/000-005 www.wago.com/859-402/000-005
Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; red



Item no.: 859-402/000-006 www.wago.com/859-402/000-006
Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; blue

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



Item no.: 859-402/000-029
Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; yellow

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



Item no.: 859-403
Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-403



Item no.: 859-403/000-005
Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; red

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



Item no.: 859-403/000-006
Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; blue

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



Item no.: 859-403/000-029
Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; yellow

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



Item no.: 859-404
Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-404

Item no.: 859-404/000-005
Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; red

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

Item no.: 859-404/000-006
Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; blue

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

Item no.: 859-404/000-029
Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; yellow

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

Item no.: 859-405
Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-405

Item no.: 859-405/000-005
Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; red

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



Item no.: 859-405/000-006
Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; blue

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



Item no.: 859-405/000-029
Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; yellow

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



Item no.: 859-406
Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-406

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



Item no.: 859-406/000-005
Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; red

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



Item no.: 859-406/000-006
Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; blue

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



Item no.: 859-406/000-029
Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; yellow

www.wago.com/859-406/000-029



Item no.: 859-407
Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-407

Item no.: 859-407/000-005
Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; red

www.wago.com/859-407/000-005

Item no.: 859-407/000-006
Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; blue

www.wago.com/859-407/000-006

Item no.: 859-407/000-029
Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; yellow

www.wago.com/859-407/000-029



Item no.: 859-408
Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-408



Item no.: 859-408/000-005
Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; red

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



Item no.: 859-408/000-006
Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; blue

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

Item no.: 859-408/000-029
Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; yellow

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

Item no.: 859-409
Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; light gray

www.wago.com/859-409

Item no.: 859-409/000-005
Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; red



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



Item no.: 859-409/000-006
Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; blue

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

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

| | | |
|--|--|--|
|  | Item no.: 859-409/000-029 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; yellow | www.wago.com/859-409/000-029 |
|  | Item no.: 859-410 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; light gray | www.wago.com/859-410 |
| | Item no.: 859-410/000-005 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; red | www.wago.com/859-410/000-005 |
| | Item no.: 859-410/000-006 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; blue | www.wago.com/859-410/000-006 |
| | Item no.: 859-410/000-029 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; yellow | www.wago.com/859-410/000-029 |
| Test Accessories | | |
| | Item no.: 859-500 Test pin; 1 mm Ø; with solder connection for test wire | www.wago.com/859-500 |

Downloads

Documentation

Instruction Leaflet

| | | | |
|------------------------------------|-------------------------|---------------|----------|
| Relay modules, Optocoupler modules | V 1.2.0 Aug 30, 2019 | pdf 2.2 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 859-734 | URL | Download |
|----------------------|-----|----------|

CAE data

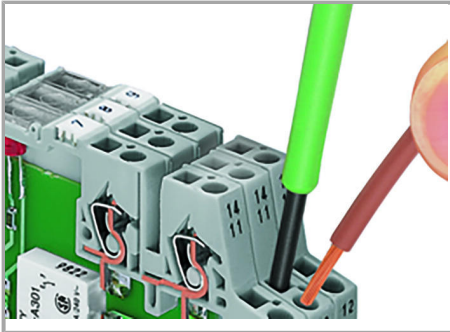
| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 859-734 | URL | Download |
|---------------------------|-----|----------|

| | | |
|------------------------|-----|----------|
| WSCAD Universe 859-734 | URL | Download |
|------------------------|-----|----------|

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

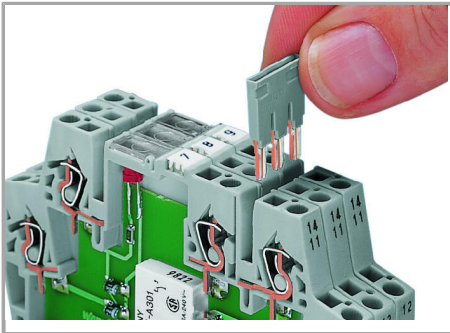
Installation Notes

Inserting a conductor



Connection of conductor

Jumpered



Easy commoning using adjacent jumpers

Marking



Marking using miniature WSB quick marking card

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