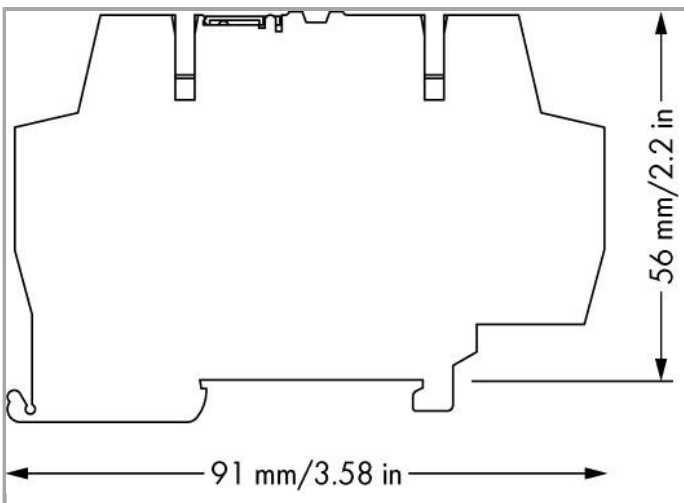
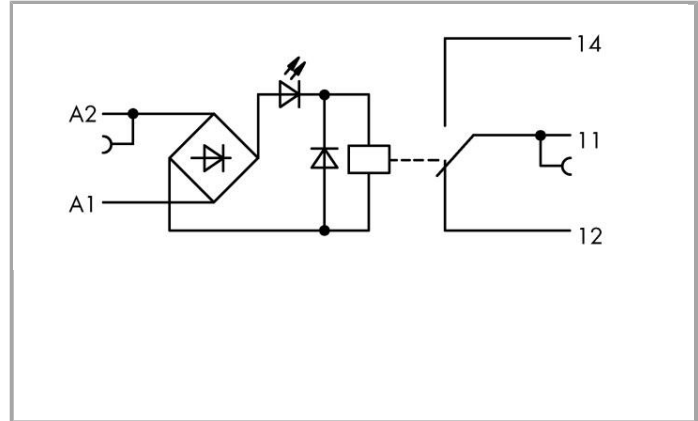
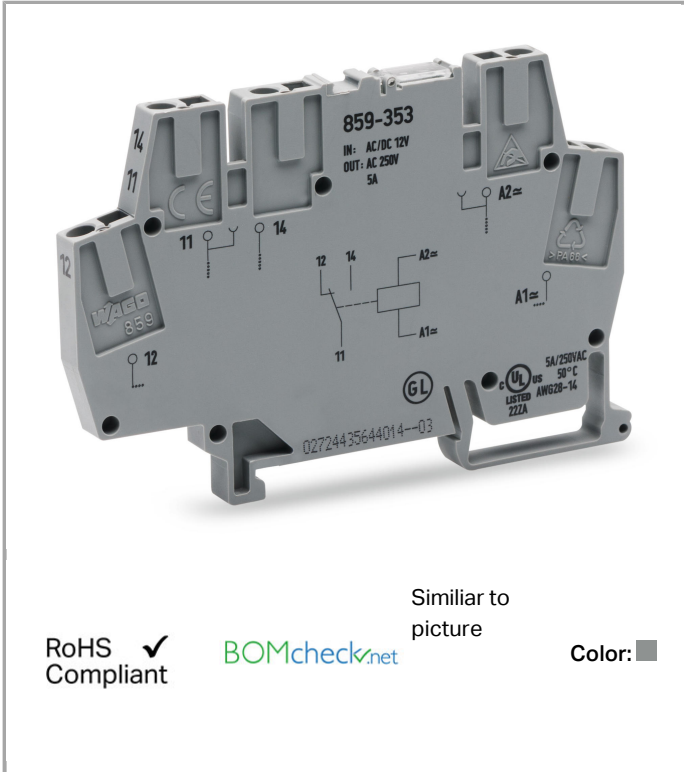


Data sheet | Item number: 859-354

Relay module; Nominal input voltage: 24 V AC/DC; 1 changeover contact;  
Red status indicator; Module width: 6 mm



[www.wago.com/859-354](http://www.wago.com/859-354)



Item description

Note:

Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts.

## Data

## Technical Data

## Control circuit

Nominal input voltage $U_N$	24 V AC/DC
Input voltage range	-15 ... +20 %
Nominal input current at $U_N$	8 mA

## Load circuit:

Number of changeover/switchover contacts	1
Contact material (relay)	AgSnO <sub>2</sub>
Limiting continuous current	5 A
Max. make current (resistive)	4 s 10 A (AC)
Max. switching voltage	250 VAC
Max. switching power (resistive)	1250 VAAC; DC see load limit curve
Recommended minimum load	10 V / 10 mA; 24 V / 1 mA
Pull-in time (typ.)	8 ms
Drop-out time (typ.)	4 ms
Bounce time (typ.)	5 ms
Electrical life (N.O.; resistive load; 23 °C)	50 x 10 <sup>3</sup> switching operations
Mechanical life (N.O.; resistive load; 23 °C)	5 x 10 <sup>6</sup> switching operations
Max. switching load with load/without load	6 min <sup>-1</sup> / 180 min <sup>-1</sup>

## Signaling

Status indication	LED red
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## Safety and protection:

Rated voltage	250 V
Rated impulse voltage	4 kV
Pollution degree	2
Dielectric strength, control/load circuit (AC, 1 min)	4 kV <sub>rms</sub>
Dielectric strength, control/load circuit (AC, 1 min)	4 kV <sub>rms</sub>
Dielectric strength open contact (AC, 1 min)	1 kV <sub>rms</sub>
Dielectric strength open contact (AC, 1 min)	1 kV <sub>rms</sub>



## Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 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	gray
Fire load	0.513 MJ
Weight	22.529 g

## Environmental Requirements

Surrounding air (operating) temperature at U <sub>N</sub>	-40 ... 50 °C
Surrounding air (storage) temperature	-40 ... 70 °C
Pollution degree	2

## Standards and specifications

Standards/specifications	EN 61010-2-201; EN 61810-1; EN 61373; GL; UL 508
--------------------------	--

## Commercial data

Country of origin	DE
GTIN	4055143603980
Customs Tariff No.	85364900990
Product Group	6 (Interface Electronics)

## Approvals / Certificates

### Ship Approvals

Logo	Approval	Certificate name
	DNV GL	TAA00001D1



Det Norske Veritas, Germanischer Lloyd



NK  
Nippon Kaiji Kyokai


TA17255M



PRS  
Polski Rejestr Statkow

TE/1989/880590/13

#### UL-Approvals

Logo	Approval	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	E175199 Sec.4 (ORDINARY LOCATIONS)

#### Compatible products

##### check



Item no.: 859-500  
Test pin; 1 mm Ø; with solder connection for test wire

[www.wago.com/859-500](http://www.wago.com/859-500)

##### ferrule



Item no.: 216-221  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; insulated; electro-tin plated

[www.wago.com/216-221](http://www.wago.com/216-221)



Item no.: 216-222  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; insulated; electro-tin plated

[www.wago.com/216-222](http://www.wago.com/216-222)



Item no.: 216-223  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated

[www.wago.com/216-223](http://www.wago.com/216-223)



Item no.: 216-224  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated

[www.wago.com/216-224](http://www.wago.com/216-224)



Item no.: 216-321  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

[www.wago.com/216-321](http://www.wago.com/216-321)



Item no.: 216-322  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

[www.wago.com/216-322](http://www.wago.com/216-322)

##### tools



Item no.: 210-720  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

[www.wago.com/210-720](http://www.wago.com/210-720)

##### End plate



**Item no.: 859-525**  
End and intermediate plate; 1 mm thick

[www.wago.com/859-525](http://www.wago.com/859-525)

**Jumper**



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

[www.wago.com/859-402](http://www.wago.com/859-402)



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

[www.wago.com/859-402/000-005](http://www.wago.com/859-402/000-005)



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

[www.wago.com/859-402/000-006](http://www.wago.com/859-402/000-006)



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

[www.wago.com/859-402/000-029](http://www.wago.com/859-402/000-029)



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

[www.wago.com/859-403](http://www.wago.com/859-403)



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

[www.wago.com/859-403/000-005](http://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

[www.wago.com/859-403/000-006](http://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

[www.wago.com/859-403/000-029](http://www.wago.com/859-403/000-029)



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

[www.wago.com/859-404](http://www.wago.com/859-404)



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

[www.wago.com/859-404/000-005](http://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

[www.wago.com/859-404/000-006](http://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

[www.wago.com/859-404/000-029](http://www.wago.com/859-404/000-029)



















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















[www.wago.com/859-405](http://www.wago.com/859-405)


















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

[www.wago.com/859-405/000-005](http://www.wago.com/859-405/000-005)

	<b>Item no.: 859-405/000-006</b> Push-in type jumper bar; 5-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-405/000-006">www.wago.com/859-405/000-006</a>
	<b>Item no.: 859-405/000-029</b> Push-in type jumper bar; 5-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-405/000-029">www.wago.com/859-405/000-029</a>
	<b>Item no.: 859-406</b> Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-406">www.wago.com/859-406</a>
	<b>Item no.: 859-406/000-005</b> Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-406/000-005">www.wago.com/859-406/000-005</a>
	<b>Item no.: 859-406/000-006</b> Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-406/000-006">www.wago.com/859-406/000-006</a>
	<b>Item no.: 859-406/000-029</b> Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-406/000-029">www.wago.com/859-406/000-029</a>
	<b>Item no.: 859-407</b> Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-407">www.wago.com/859-407</a>
	<b>Item no.: 859-407/000-005</b> Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-407/000-005">www.wago.com/859-407/000-005</a>
	<b>Item no.: 859-407/000-006</b> Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-407/000-006">www.wago.com/859-407/000-006</a>
	<b>Item no.: 859-407/000-029</b> Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-407/000-029">www.wago.com/859-407/000-029</a>
	<b>Item no.: 859-408</b> Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-408">www.wago.com/859-408</a>
	<b>Item no.: 859-408/000-005</b> Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-408/000-005">www.wago.com/859-408/000-005</a>
	<b>Item no.: 859-408/000-006</b> Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-408/000-006">www.wago.com/859-408/000-006</a>
	<b>Item no.: 859-408/000-029</b> Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-408/000-029">www.wago.com/859-408/000-029</a>
	<b>Item no.: 859-409</b> Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-409">www.wago.com/859-409</a>
	<b>Item no.: 859-409/000-005</b> Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-409/000-005">www.wago.com/859-409/000-005</a>

	<b>Item no.: 859-409/000-006</b> Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-409/000-006">www.wago.com/859-409/000-006</a>
	<b>Item no.: 859-409/000-029</b> Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-409/000-029">www.wago.com/859-409/000-029</a>
	<b>Item no.: 859-410</b> Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-410">www.wago.com/859-410</a>
	<b>Item no.: 859-410/000-005</b> Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-410/000-005">www.wago.com/859-410/000-005</a>
	<b>Item no.: 859-410/000-006</b> Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-410/000-006">www.wago.com/859-410/000-006</a>
	<b>Item no.: 859-410/000-029</b> Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	<a href="http://www.wago.com/859-410/000-029">www.wago.com/859-410/000-029</a>
<b>Marking accessories</b>		
	<b>Item no.: 2009-145</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>
	<b>Item no.: 2009-145/000-002</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a>
	<b>Item no.: 2009-145/000-005</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a>
	<b>Item no.: 2009-145/000-006</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a>
	<b>Item no.: 2009-145/000-007</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a>
	<b>Item no.: 2009-145/000-012</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a>
	<b>Item no.: 2009-145/000-023</b> Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a>
	<b>Item no.: 2009-145/000-024</b> Mini-WSB Inline; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	<a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a>

	<b>Item no.: 210-110</b> Fiber-tip pen	<a href="http://www.wago.com/210-110">www.wago.com/210-110</a>
	<b>Item no.: 248-501</b> Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	<a href="http://www.wago.com/248-501">www.wago.com/248-501</a>
	<b>Item no.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>
	<b>Item no.: 248-501/000-005</b> Mini-WSB marking card; as card; plain; snap-on type	<a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>
	<b>Item no.: 248-501/000-006</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-006">www.wago.com/248-501/000-006</a>
	<b>Item no.: 248-501/000-007</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-007">www.wago.com/248-501/000-007</a>
	<b>Item no.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a>
	<b>Item no.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a>
	<b>Item no.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-023">www.wago.com/248-501/000-023</a>
	<b>Item no.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type	<a href="http://www.wago.com/248-501/000-024">www.wago.com/248-501/000-024</a>
	<b>Item no.: 248-502</b> Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type	<a href="http://www.wago.com/248-502">www.wago.com/248-502</a>
	<b>Item no.: 248-502/000-024</b> Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type	<a href="http://www.wago.com/248-502/000-024">www.wago.com/248-502/000-024</a>
	<b>Item no.: 248-503</b> Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type	<a href="http://www.wago.com/248-503">www.wago.com/248-503</a>
	<b>Item no.: 248-503/000-024</b> Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type	<a href="http://www.wago.com/248-503/000-024">www.wago.com/248-503/000-024</a>
	<b>Item no.: 248-504/000-024</b> Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type	<a href="http://www.wago.com/248-504/000-024">www.wago.com/248-504/000-024</a>
	<b>Item no.: 248-505/000-024</b>	





Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type

[www.wago.com/248-505/000-024](http://www.wago.com/248-505/000-024)



**Item no.: 248-506**

Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type

[www.wago.com/248-506](http://www.wago.com/248-506)

**Downloads**

**Documentation**

**Bid Text**

859-354 Relaisbaustein	Jan 22, 2016	DOC 27.1 kB	Download
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**Instruction Leaflet**

Relay Modules, Optocoupler Modules, Specialty Functions	Dec 9, 2016	PDF 1.7 MB	Download
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**Additional Information**

Disposal; Electrical and electronic equipment, Packaging	Oct 15, 2018	265.8 kB	Download
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**smartDATA**

**CAD data**

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Subject to changes.