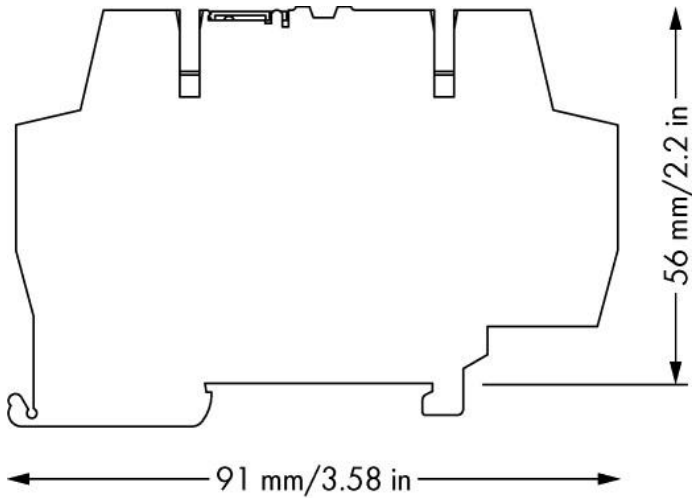
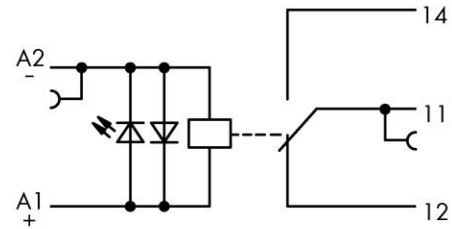
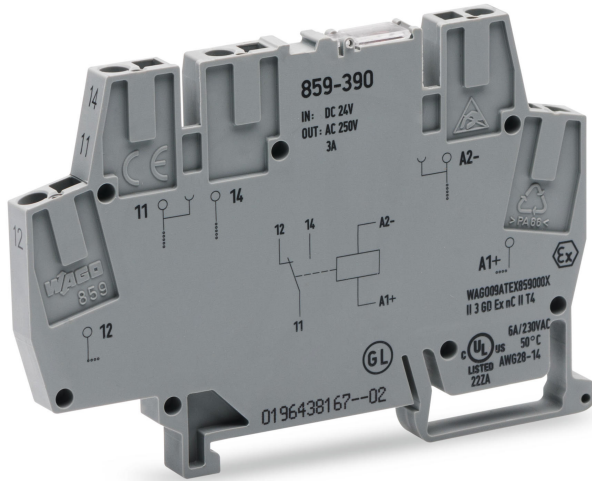


Data sheet | Item number: 859-390

Switching relay terminal block; Relay with 1 changeover contact (1u); with miniature switching relay; with extended input voltage and temperature range



[www.wago.com/859-390](http://www.wago.com/859-390)



### 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 VDC
Input voltage range	-30 ... +25 %
Nominal input current at $U_N$	12 mA

**Load circuit:**

Number of changeover/switchover contacts	1
Contact material	AgSnO <sub>2</sub>
Limiting continuous current	5 A
Max. switching voltage	250 VAC
Max. switching power (resistive)	750 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 Max. switching load with load / 180 Max. switching load without load

**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 in
Height from upper-edge of DIN-35 rail	56 mm / 2.205 in
Depth	91 mm / 3.583 in

## Mechanical data

Type of mounting	DIN-35 rail
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## Material Data

Color	gray
Fire load	1.249 MJ
Weight	22.87 g

## Environmental Requirements

Permissible surrounding air (operating) temperature at U <sub>N</sub>	-25 ... 70 °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
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## Commercial data

Country of Origin	CN
GTIN	4055143607629
Product Group	6 (Interface Electronics)

## Ship Approvals

Logo	Approval	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	TAA00001D1
	<b>NK</b> Nippon Kaiji Kyokai	TA17255M
	<b>PRS</b> Polski Rejestr Statkow	TE/1989/880590/13

## UL-Approvals

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

Subject to changes.