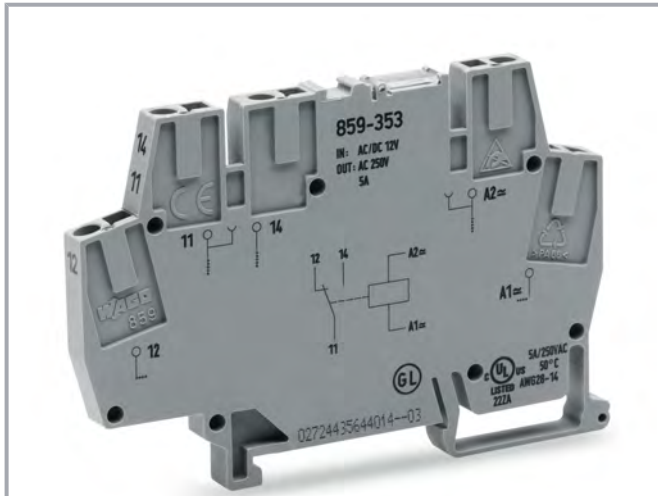


Data sheet | Item number: 859-357

Relay module; Nominal input voltage: 115 V AC/DC; 1 changeover contact;
Red status indicator; Module width: 6 mm; 2,50 mm²; gray



 Picture differs from the item.

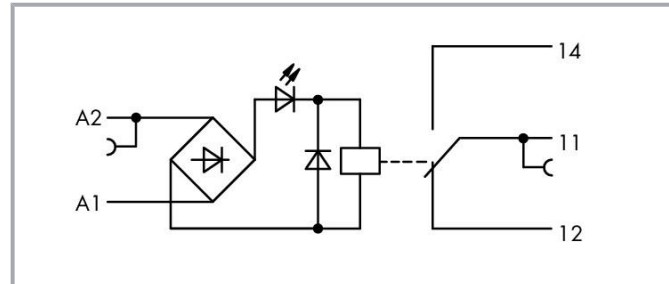
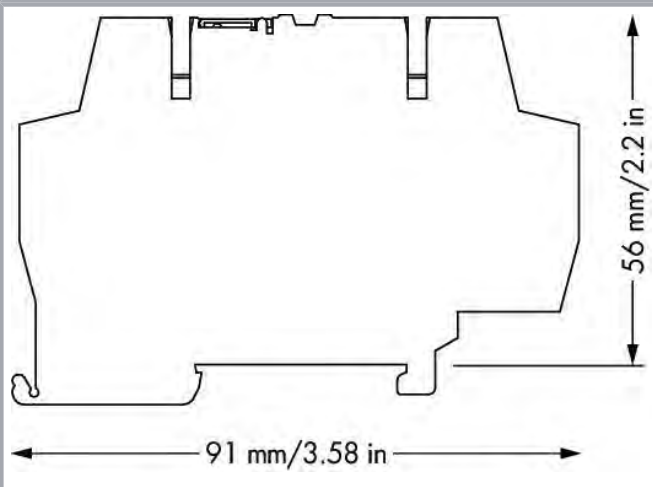
RoHS 
Compliant



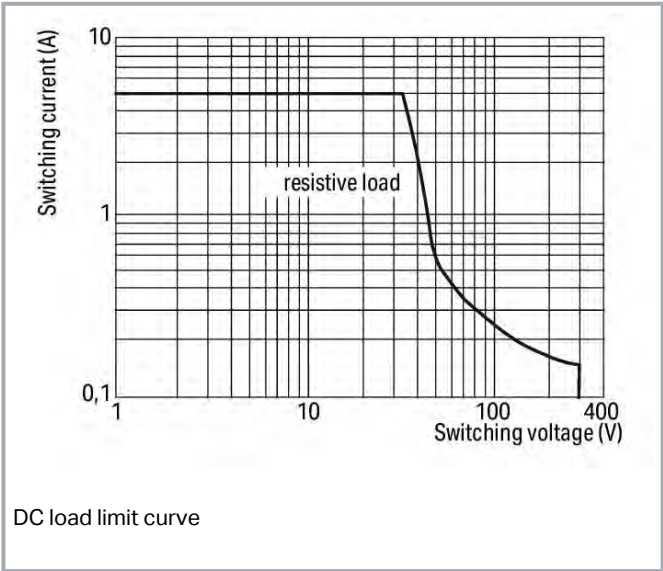
Color: 

picture

Similar to



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



Item description

Note:

To protect the relay coils and contacts, inductive loads must be dampened with an effective protection circuit.

Data

Technical data

Control circuit

Nominal input voltage U_N	AC/DC 115 V
Input voltage range	-15 ... +10 %
Nominal input current at U_N	3.5 mA

Load circuit

Number of changeover contacts	1
Contact material (relay)	AgSnO ₂
Limiting continuous current	5 A
Inrush current (resistive) (max.)	(AC) 20 A / 0.02 s
Switching voltage (max.)	AC 250 V
Switching power (resistive) (max.)	AC 1250 VA; DC (see load limit curve)
Recommended minimum load	10 V / 10 mA; 24 V / 1 mA

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



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	Red LED
------------------	---------

Safety and protection

Rated voltage	250 V
Rated surge voltage	4 kV
Pollution degree	2
Dielectric strength, control/load circuit (AC, 1 min)	4 kVrms
Dielectric strength, open contact (AC, 1 min)	1 kVrms

Connection data

Connection technology	CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
---------------	-------------

Material data

Color	gray
Fire load	0.313 MJ

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

Weight	22.6 g
--------	--------

Environmental requirements

Surrounding air temperature (operation at U_N)	-40 ... 50 °C
Surrounding air temperature (storage)	-40 ... 70 °C
Processing temperature	-25 ... +50 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

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

Commercial data

Product Group	6 (Interface Electronics)
Packaging type	BOX
Country of origin	DE
GTIN	4055143604147
Customs tariff number	8536490050

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
 Ex nA nC IIC T4 Gc	CCCEX CQST/CNEX	CNCA-C23-01	2021312304000982

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00001D1
	NK Nippon Kaiji Kyokai	-	TA17255M
	PRS	-	TE/2186

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



Polski Rejestr Statków

/880590/18

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

Compatible products

tools



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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

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; yellow

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

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

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; gray

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

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

Item no.: 2009-145/000-024

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

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

violet

	Item no.: 210-110 Fiber-tip pen
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet
	Item no.: 248-502 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white
	Item no.: 248-502/000-024 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; violet
	Item no.: 248-503 Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

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

**Item no.: 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**

Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

**Item no.: 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**

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

**Item no.: 248-506**

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

check**Item no.: 859-500**

Test pin; 1 mm Ø; with solder connection for test wire

Jumper**Item no.: 859-402**

Push-in type jumper bar; Light gray; Insulated; 18 A; 2-position

**Item no.: 859-402/000-005**

Jumper; for jumper slot; 2-way; insulated; red

**Item no.: 859-402/000-006**

Jumper; for jumper slot; 2-way; insulated; blue

**Item no.: 859-402/000-029**

Jumper; for jumper slot; 2-way; insulated; yellow

**Item no.: 859-403**

Push-in type jumper bar; Light gray; Insulated; 18 A; 3-position

**Item no.: 859-403/000-005**

Jumper; for jumper slot; 3-way; insulated; red

**Item no.: 859-403/000-006**

Jumper; for jumper slot; 3-way; insulated; blue

**Item no.: 859-403/000-029**

Jumper; for jumper slot; 3-way; insulated; yellow

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



Item no.: 859-404

Push-in type jumper bar; Light gray; Insulated; 18 A; 4-position



Item no.: 859-404/000-005

Jumper; for jumper slot; 4-way; insulated; red



Item no.: 859-404/000-006

Jumper; for jumper slot; 4-way; insulated; blue



Item no.: 859-404/000-029

Jumper; for jumper slot; 4-way; insulated; yellow



Item no.: 859-405

Push-in type jumper bar; Light gray; Insulated; 18 A; 5-position



Item no.: 859-405/000-005

Jumper; for jumper slot; 5-way; insulated; red



Item no.: 859-405/000-006

Jumper; for jumper slot; 5-way; insulated; blue



Item no.: 859-405/000-029

Jumper; for jumper slot; 5-way; insulated; yellow



Item no.: 859-406

Push-in type jumper bar; Light gray; Insulated; 18 A; 6-position



Item no.: 859-406/000-005

Jumper; for jumper slot; 6-way; insulated; red



Item no.: 859-406/000-006

Jumper; for jumper slot; 6-way; insulated; blue



Item no.: 859-406/000-029

Jumper; for jumper slot; 6-way; insulated; signal yellow



Item no.: 859-407

Push-in type jumper bar; Light gray; Insulated; 18 A; 7-position



Item no.: 859-407/000-005

Jumper; for jumper slot; 7-way; insulated; red

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



Item no.: 859-407/000-006

Jumper; for jumper slot; 7-way; insulated; blue



Item no.: 859-407/000-029

Jumper; for jumper slot; 7-way; insulated; yellow



Item no.: 859-408

Push-in type jumper bar; Light gray; Insulated; 18 A; 8-position



Item no.: 859-408/000-005

Jumper; for jumper slot; 8-way; insulated; red



Item no.: 859-408/000-006

Jumper; for jumper slot; 8-way; insulated; blue



Item no.: 859-408/000-029

Jumper; for jumper slot; 8-way; insulated; yellow



Item no.: 859-409

Push-in type jumper bar; Light gray; Insulated; 18 A; 9-position



Item no.: 859-409/000-005

Jumper; for jumper slot; 9-way; insulated; red



Item no.: 859-409/000-006

Jumper; for jumper slot; 9-way; insulated; blue



Item no.: 859-409/000-029

Jumper; for jumper slot; 9-way; insulated; yellow



Item no.: 859-410

Push-in type jumper bar; Light gray; Insulated; 18 A; 10-position



Item no.: 859-410/000-005

Jumper; for jumper slot; 10-way; insulated; red



Item no.: 859-410/000-006

Jumper; for jumper slot; 10-way; insulated; blue



Item no.: 859-410/000-029

Jumper; for jumper slot; 10-way; insulated; yellow

End plate

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

	Item no.: 859-525 End and intermediate plate; 1 mm thick; Gray
ferrule	
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green

Downloads

Documentation

Bid Text

859-357	Feb 19, 2019
X81 - Datei	

859-357	Feb 20, 2019
docx - Datei	

Instruction Leaflet

Relay modules, Optocoupler modules	V 1.2.0
	Aug 30, 2019

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0
--	---------

CAD files

CAE data

EPLAN Data Portal 859-357

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

EPLAN Data Portal 859-357

WSCAD Universe 859-357

ZUKEN Portal 859-357

CAD data

2D/3D Models 859-357

Environmental Product Compliance

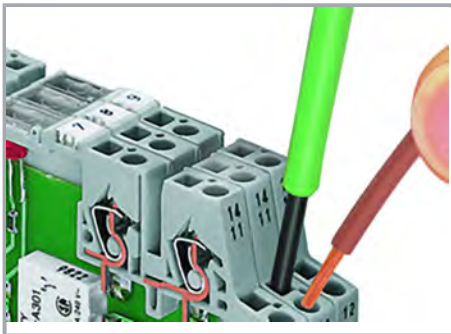
Compliance Search

Environmental Product Compliance 859-357

Relay module; Nominal input voltage: 115 V AC/DC; 1 changeover contact; Red status indicator; Module width: 6 mm; 2,50 mm²; gray

Installation Notes

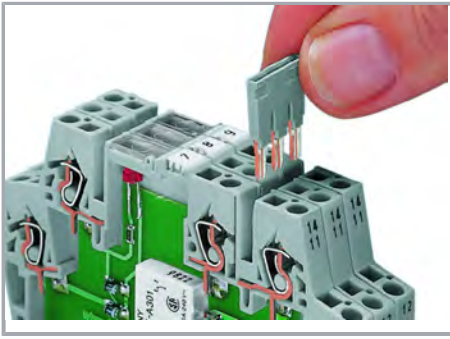
Conductor termination



Conductor termination

Commoning

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



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System

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