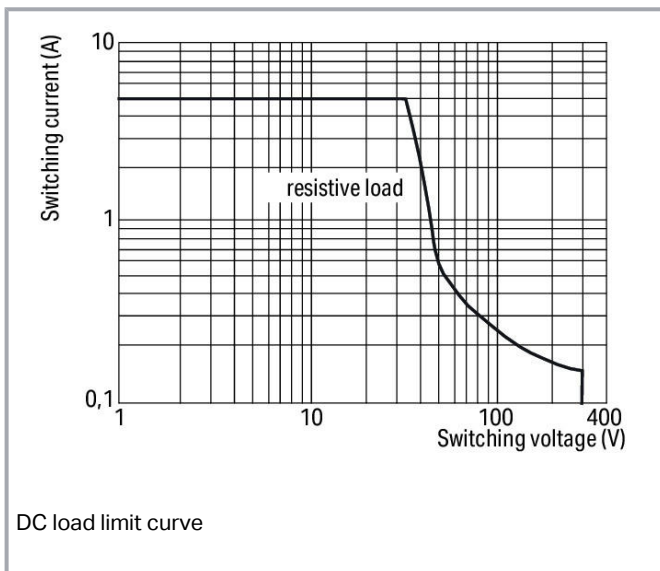
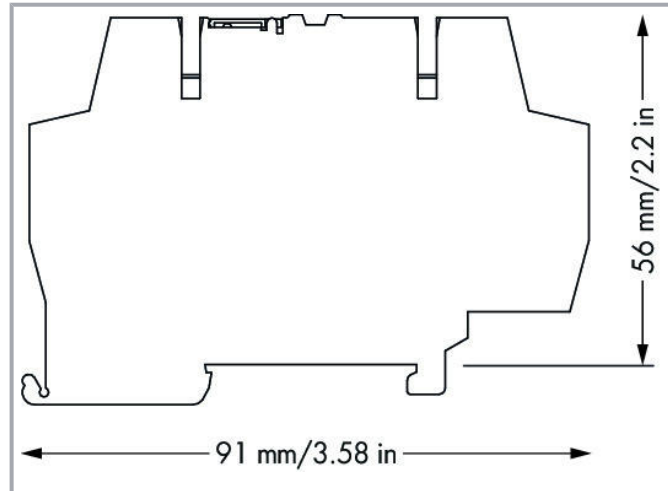
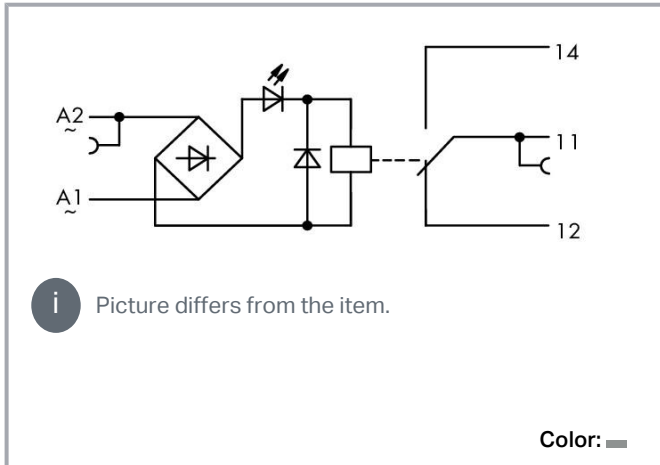


Data sheet | Item number: 859-359

Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; with gold contacts; Red status indicator; Module width: 6 mm; 2,50 mm²; gray



www.wago.com/859-359



Data

Notes

Note

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.



- To prevent damaging the gold layer, 30 V switching voltages and 50 mA currents must not be exceeded. Higher switching power eventually evaporates the gold layer. The resulting deposits in the housing may reduce service life.
- 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 230 V
Input voltage range	-15 ... +10 %
Nominal input current at U_N	3.5 mA

Load circuit

Number of changeover/switchover contacts	1
Contact material (relay)	AgNi + Au
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	1 V / 1 mA / 1 mW
Pull-in time (typ.)	15 ms
Drop-out time (typ.)	30 ms
Bounce time (typ.)	3.5 ms
Electrical life (NO; resistive load; 23 °C)	50×10^3 switching operations
Mechanical life	5×10^6 switching operations
Switching frequency with/without load (max.)	6 min^{-1} / 180 min^{-1}

Signaling

Status indicator	Red LED
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Safety and protection

Rated voltage	250 V
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Subject to changes. Please also observe the further product documentation!

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	91 mm / 3.583 inch
Depth from upper edge of DIN-rail	56 mm / 2.205 inch

Mechanical data

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

Material data

Color	gray
Fire load	0.313 MJ
Weight	24.3 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
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Subject to changes. Please also observe the further product documentation!


GL
UL 508

Commercial data



Product Group	6 (Interface Electronics)
PU (SPU)	10 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143604185
Customs tariff number	85364900990

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 Polski Rejestr Statków	-	TE/2186 /880590/18

UL-Approvals

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

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

Optional accessories

Ferrule		
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
Tool		
Operating tool		
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720
Testing and measuring		
Testing accessories		
	Item no.: 859-500 Test pin; 1 mm Ø; with solder connection for test wire	www.wago.com/859-500
Marking accessories		
Marking device		
	Item no.: 210-110 Fiber-tip pen	www.wago.com/210-110
Marker		
	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.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501
	Item no.: 248-504 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/248-504
	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!



Item no.: 248-506

Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white www.wago.com/248-506



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

Jumpers

Jumper



Item no.: 859-408

Jumper; for jumper slot; 8-way; insulated; light gray www.wago.com/859-408



Item no.: 859-404/000-005

Jumper; for jumper slot; 4-way; insulated; red www.wago.com/859-404/000-005



Item no.: 859-404/000-006

Jumper; for jumper slot; 4-way; insulated; blue www.wago.com/859-404/000-006



Item no.: 859-405/000-005

Jumper; for jumper slot; 5-way; insulated; red www.wago.com/859-405/000-005



Item no.: 859-405/000-029

Jumper; for jumper slot; 5-way; insulated; yellow www.wago.com/859-405/000-029



Item no.: 859-405

Jumper; for jumper slot; 5-way; insulated; light gray www.wago.com/859-405



Item no.: 859-404/000-029

Jumper; for jumper slot; 4-way; insulated; yellow www.wago.com/859-404/000-029



Item no.: 859-406

Jumper; for jumper slot; 6-way; insulated; light gray www.wago.com/859-406



Item no.: 859-405/000-006

Jumper; for jumper slot; 5-way; insulated; blue www.wago.com/859-405/000-006



Item no.: 859-406/000-005















Jumper; for jumper slot; 6-way; insulated; red www.wago.com/859-406/000-005



Item no.: 859-409/000-029

Jumper; for jumper slot; 9-way; insulated; yellow www.wago.com/859-409/000-029

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

	Item no.: 859-410/000-005 Jumper; for jumper slot; 10-way; insulated; red	www.wago.com/859-410/000-005
	Item no.: 859-410/000-029 Jumper; for jumper slot; 10-way; insulated; yellow	www.wago.com/859-410/000-029
	Item no.: 859-410 Jumper; for jumper slot; 10-way; insulated; light gray	www.wago.com/859-410
	Item no.: 859-410/000-006 Jumper; for jumper slot; 10-way; insulated; blue	www.wago.com/859-410/000-006
	Item no.: 859-403/000-005 Jumper; for jumper slot; 3-way; insulated; red	www.wago.com/859-403/000-005
	Item no.: 859-402/000-029 Jumper; for jumper slot; 2-way; insulated; yellow	www.wago.com/859-402/000-029
	Item no.: 859-403/000-029 Jumper; for jumper slot; 3-way; insulated; yellow	www.wago.com/859-403/000-029
	Item no.: 859-403/000-006 Jumper; for jumper slot; 3-way; insulated; blue	www.wago.com/859-403/000-006
	Item no.: 859-408/000-005 Jumper; for jumper slot; 8-way; insulated; red	www.wago.com/859-408/000-005
	Item no.: 859-408/000-029 Jumper; for jumper slot; 8-way; insulated; yellow	www.wago.com/859-408/000-029
	Item no.: 859-409 Jumper; for jumper slot; 9-way; insulated; light gray	www.wago.com/859-409
	Item no.: 859-408/000-006 Jumper; for jumper slot; 8-way; insulated; blue	www.wago.com/859-408/000-006
	Item no.: 859-403 Jumper; for jumper slot; 3-way; insulated; light gray	www.wago.com/859-403
	Item no.: 859-409/000-005 Jumper; for jumper slot; 9-way; insulated; red	www.wago.com/859-409/000-005

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



Item no.: 859-404

Jumper; for jumper slot; 4-way; insulated; light gray

www.wago.com/859-404



Item no.: 859-409/000-006

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

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



Item no.: 859-402/000-006

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

www.wago.com/859-402/000-006



Item no.: 859-402

Jumper; for jumper slot; 2-way; insulated; light gray

www.wago.com/859-402



Item no.: 859-402/000-005

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

www.wago.com/859-402/000-005



Item no.: 859-406/000-006

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

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



Item no.: 859-406/000-029

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

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



Item no.: 859-407/000-006

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

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



Item no.: 859-407/000-005

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

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



Item no.: 859-407/000-029

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

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



Item no.: 859-407

Jumper; for jumper slot; 7-way; insulated; light gray

www.wago.com/859-407

End plate

End plate



Item no.: 859-525

End and intermediate plate; 1 mm thick; gray

www.wago.com/859-525

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

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Downloads

Documentation

Bid Text

859-359 docx - Datei	2019. 2. 20.	docx 17.5 kB	Download
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859-359 X81 - Datei	2019. 2. 19.	xml 5.1 kB	Download
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Instruction Leaflet

Relay modules, Optocoupler modules	V 1.2.0 2019. 8. 30.	pdf 2.2 MB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 859-359	URL	Download
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CAE data

EPLAN Data Portal 859-359	URL	Download
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WSCAD Universe 859-359	URL	Download
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ZUKEN Portal 859-359	URL	Download
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Environmental Product Compliance

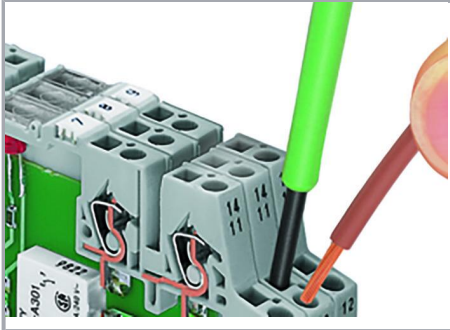
Compliance Search

Environmental Product Compliance 859-359 Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; with gold contacts; Red status indicator; Module width: 6 mm; 2,50 mm ² ; gray	URL	Download
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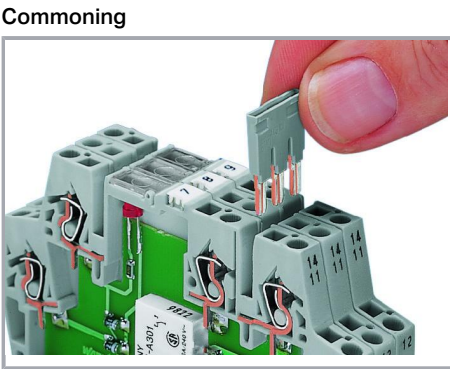
Subject to changes. Please also observe the further product documentation!

Installation Notes

Conductor termination



Conductor termination



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System

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