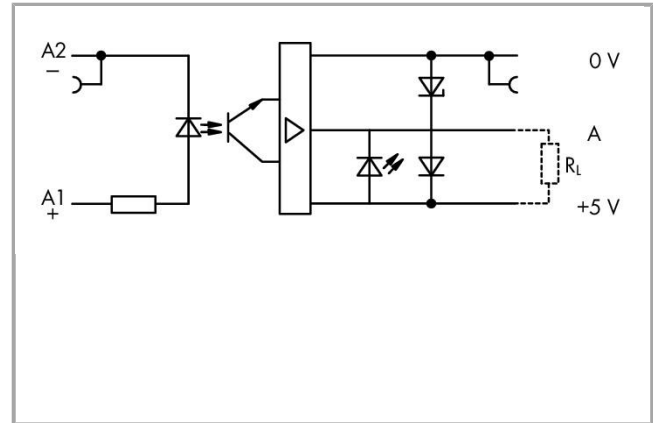
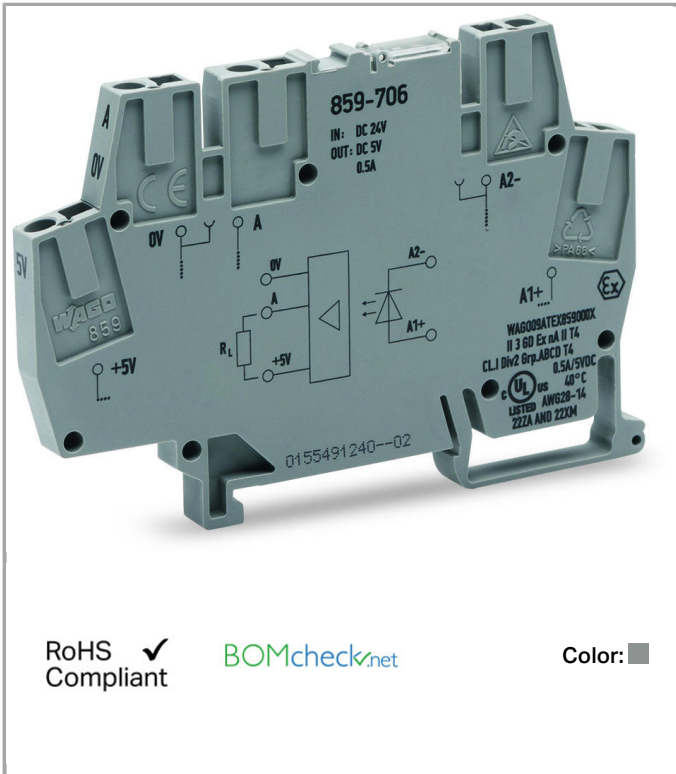


Data sheet | Item number: 859-706

Optocoupler module; Nominal input voltage: 24 VDC; Limiting continuous current: 0.5 A; Frequency: 10 kHz



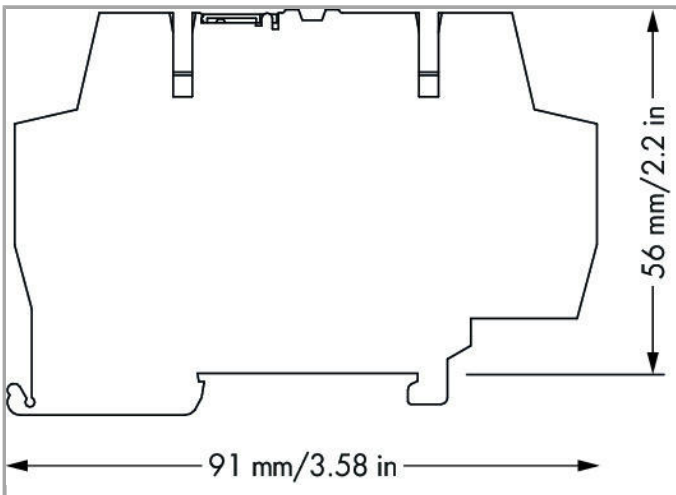
859-706



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



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 18 ... 30 V
Nominal input current at U_N	11 mA

Load circuit:

Circuit type	3-conductor termination Low-side switching
Limiting continuous current	0.5 A
Output voltage range	DC 4 ... 6.25 V
Max. voltage drop at output	\leq DC 1.2 V
Leakage current at nominal voltage	\leq 10 μ A
Max. output (reverse current)	7 mA
Min. switching current	0 μ A
Turn-on time	\leq 7 μ s
Drop-out time	\leq 15 μ s
Switching frequency	\leq 10 kHz

Signaling

Status indication	LED red
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Safety and protection:

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

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 MJ
Weight	18.5 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 60664-1; EN 61000-6-2; EN 61000-6-3; EN 61373; UL 508
--------------------------	--

Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4055143604697
Customs Tariff No.	85365005000


Approvals / Certificates

UL-Approvals
















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

















Compatible products
















Marking accessories














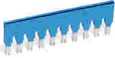

	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145
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	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-002
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-005
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-006
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-007
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-023
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	2009-145 /000-024
	Item no.: 210-110 Fiber-tip pen	210-110
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-002
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-005
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-007
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-012
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	248-501 /000-017

	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-023	248-501
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type	/000-024	248-501
	Item no.: 248-502 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type		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	/000-024	248-502
	Item no.: 248-503 Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type		248-503
	Item no.: 248-503/000-024 Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type	/000-024	248-503
	Item no.: 248-504 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type		248-504
	Item no.: 248-504/000-024 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type	/000-024	248-504
	Item no.: 248-505/000-024 Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type	/000-024	248-505
	Item no.: 248-506 Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type		248-506
Jumper			
	Item no.: 859-402 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated		859-402
	Item no.: 859-402/000-005 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	/000-005	859-402
	Item no.: 859-402/000-006 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	/000-006	859-402
	Item no.: 859-402/000-029 Push-in type jumper bar; 2-way; Nominal current 18 A; insulated	/000-029	859-402
	Item no.: 859-403 Push-in type jumper bar; 3-way; Nominal current 18 A; insulated		859-403
	Item no.: 859-403/000-005 Push-in type jumper bar; 3-way; Nominal current 18 A; insulated	/000-005	859-403

	Item no.: 859-403/000-006 Push-in type jumper bar; 3-way; Nominal current 18 A; insulated	/000-006	859-403
	Item no.: 859-403/000-029 Push-in type jumper bar; 3-way; Nominal current 18 A; insulated	/000-029	859-403
	Item no.: 859-404 Push-in type jumper bar; 4-way; Nominal current 18 A; insulated		859-404
	Item no.: 859-404/000-005 Push-in type jumper bar; 4-way; Nominal current 18 A; insulated	/000-005	859-404
	Item no.: 859-404/000-006 Push-in type jumper bar; 4-way; Nominal current 18 A; insulated	/000-006	859-404
	Item no.: 859-404/000-029 Push-in type jumper bar; 4-way; Nominal current 18 A; insulated	/000-029	859-404
	Item no.: 859-405 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated		859-405
	Item no.: 859-405/000-005 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated	/000-005	859-405
	Item no.: 859-405/000-006 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated	/000-006	859-405
	Item no.: 859-405/000-029 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated	/000-029	859-405
	Item no.: 859-406 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated		859-406
	Item no.: 859-406/000-005 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	/000-005	859-406
	Item no.: 859-406/000-006 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	/000-006	859-406
	Item no.: 859-406/000-029 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated	/000-029	859-406
	Item no.: 859-407 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated		859-407

	Item no.: 859-407/000-005 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	859-407 /000-005
	Item no.: 859-407/000-006 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	859-407 /000-006
	Item no.: 859-407/000-029 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated	859-407 /000-029
	Item no.: 859-408 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	859-408
	Item no.: 859-408/000-005 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	859-408 /000-005
	Item no.: 859-408/000-006 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	859-408 /000-006
	Item no.: 859-408/000-029 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated	859-408 /000-029
	Item no.: 859-409 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	859-409
	Item no.: 859-409/000-005 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	859-409 /000-005
	Item no.: 859-409/000-006 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	859-409 /000-006
	Item no.: 859-409/000-029 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated	859-409 /000-029
	Item no.: 859-410 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	859-410
	Item no.: 859-410/000-005 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	859-410 /000-005
	Item no.: 859-410/000-006 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	859-410 /000-006
	Item no.: 859-410/000-029 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated	859-410 /000-029

tools



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

210-720

End plate


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

859-525

ferrule


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

216-221



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

216-222



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

216-223



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

216-224

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

216-321



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

216-322

check


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

859-500

Downloads
Documentation
Bid Text

859-706	Mar 9, 2016	doc	Download
Optokoppler		27.6 kB	

Instruction Leaflet

Relaismodule, Optokopplermodule, Sonderfunktionen		pdf	Download
		1.7 MB	

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
		265.8 kB	

CAD/CAE - Smart Data
CAD data

3D Download 859-706		URL	Download
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Subject to changes.
