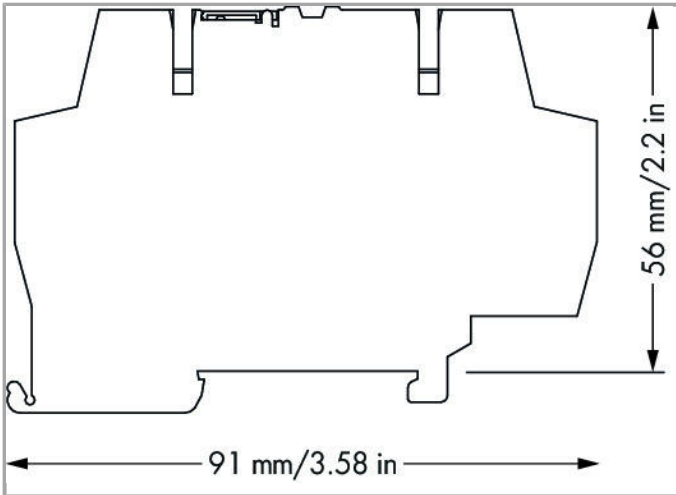
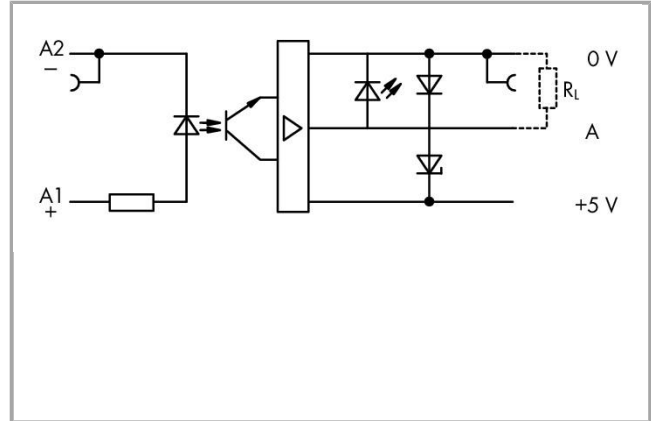
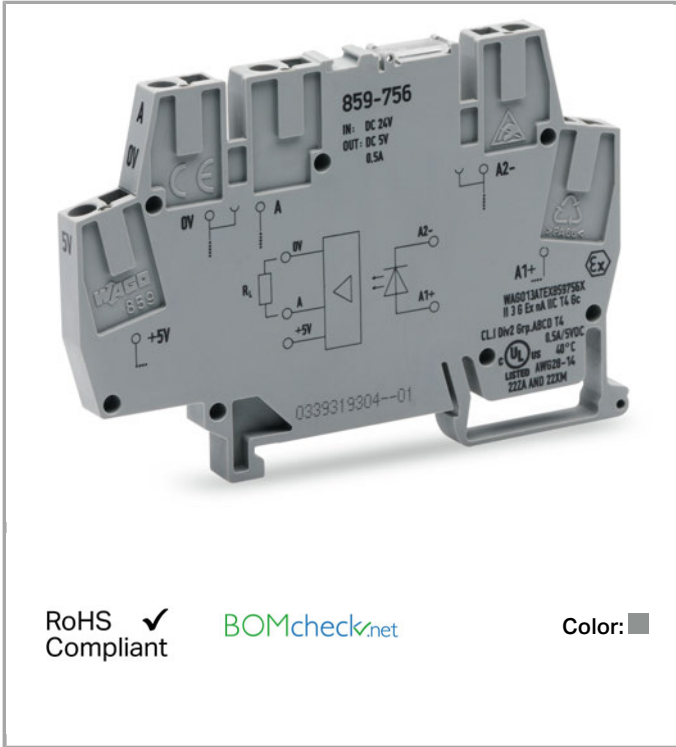


Data sheet | Item number: 859-756

Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 4 ... 6 VDC; Limiting continuous current: 0.5 A; Frequency: 10 kHz; gray



859-756



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 High-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)	4.5 mA
Turn-on time	\leq 15 μ s
Drop-out time	\leq 30 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
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Material Data

Color	gray
Fire load	0.313 MJ

Weight	18.929 g
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Environmental Requirements

Surrounding air (operating) temperature at U _N	-25 40 °C
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Surrounding air (storage) temperature	-40 70 °C
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Processing temperature	-25 +50 °C
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Standards and specifications

Standards/specifications	EN 60664-1; EN 61000-6-2; EN 61000-6-3; EN 61373; UL 508
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Commercial data

Product Group	6 (Interface Electronics)
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Country of origin	DE
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GTIN	4055143605489
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Customs Tariff No.	85365005000
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Approvals / Certificates

Other Approvals
















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

















UL-Approvals

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

Compatible products

check

	Item no.: 859-500 Test pin; 1 mm Ø; with solder connection for test wire	859-500
ferrule		
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	216-223
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	216-224
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	216-322
End plate		
	Item no.: 859-525 End and intermediate plate; 1 mm thick; gray	859-525
Marking accessories		
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white	2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	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; red	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; blue	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; gray	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; orange	2009-145 /000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; green	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; violet	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; yellow	248-501 /000-002
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-005
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-007
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-012
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-017
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-023
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	248-501 /000-024
	Item no.: 248-502 Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	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; white	248-502 /000-024
	Item no.: 248-503 Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	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; white	248-503 /000-024
	Item no.: 248-504 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	248-504
	Item no.: 248-504/000-024 Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on	248-504 /000-024

type; white

**Item no.: 248-505/000-024**

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

/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; white

248-506

tools**Item no.: 210-720**

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

210-720

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

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; light gray

859-402

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

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; red

/000-005

859-402

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

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; blue

/000-006

859-402

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

Push-in type jumper bar; 2-way; Nominal current 18 A; insulated; yellow

/000-029

859-402

**Item no.: 859-403**

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; light gray

859-403

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

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; red

/000-005

859-403

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

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; blue

/000-006

859-403

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

Push-in type jumper bar; 3-way; Nominal current 18 A; insulated; yellow

/000-029

859-403

**Item no.: 859-404**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; light gray

859-404

**Item no.: 859-404/000-005**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; red

/000-005

859-404

**Item no.: 859-404/000-006**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; blue

/000-006

















859-404









**Item no.: 859-404/000-029**

Push-in type jumper bar; 4-way; Nominal current 18 A; insulated; yellow

/000-029

859-404

	Item no.: 859-405 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; light gray		859-405
	Item no.: 859-405/000-005 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; red	/000-005	859-405
	Item no.: 859-405/000-006 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; blue	/000-006	859-405
	Item no.: 859-405/000-029 Push-in type jumper bar; 5-way; Nominal current 18 A; insulated; yellow	/000-029	859-405
	Item no.: 859-406 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; light gray		859-406
	Item no.: 859-406/000-005 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; red	/000-005	859-406
	Item no.: 859-406/000-006 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; blue	/000-006	859-406
	Item no.: 859-406/000-029 Push-in type jumper bar; 6-way; Nominal current 18 A; insulated; yellow	/000-029	859-406
	Item no.: 859-407 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; light gray		859-407
	Item no.: 859-407/000-005 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; red	/000-005	859-407
	Item no.: 859-407/000-006 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; blue	/000-006	859-407
	Item no.: 859-407/000-029 Push-in type jumper bar; 7-way; Nominal current 18 A; insulated; yellow	/000-029	859-407
	Item no.: 859-408 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; light gray		859-408
	Item no.: 859-408/000-005 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; red	/000-005	859-408
	Item no.: 859-408/000-006 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; blue	/000-006	859-408
	Item no.: 859-408/000-029 Push-in type jumper bar; 8-way; Nominal current 18 A; insulated; yellow	/000-029	859-408

	Item no.: 859-409 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; light gray		859-409
	Item no.: 859-409/000-005 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; red	/000-005	859-409
	Item no.: 859-409/000-006 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; blue	/000-006	859-409
	Item no.: 859-409/000-029 Push-in type jumper bar; 9-way; Nominal current 18 A; insulated; yellow	/000-029	859-409
	Item no.: 859-410 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; light gray		859-410
	Item no.: 859-410/000-005 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; red	/000-005	859-410
	Item no.: 859-410/000-006 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; blue	/000-006	859-410
	Item no.: 859-410/000-029 Push-in type jumper bar; 10-way; Nominal current 18 A; insulated; yellow	/000-029	859-410

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Documentation

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Instruction Leaflet

Relaismodule, Optokopplermodule, Sonderfunktionen		pdf 1.7 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 - Smart Data

CAD data

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