

Data sheet | Item number: 859-761

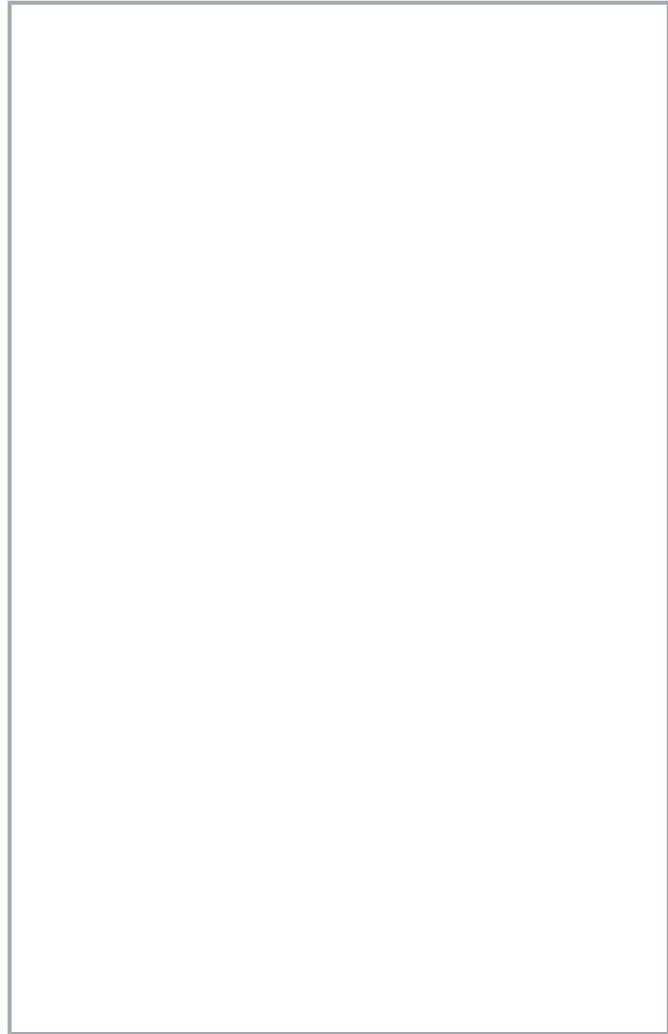
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 3 A; 2-wire connection; Red status indicator; Module width: 6 mm; gray



www.wago.com/859-761



Color:



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

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Data

Notes

Note

Optocouplers and solid state relays are designed for use in signal processing networks, which are not supplied by the low-voltage power supply networks.

Technical data

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

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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 15 ... 27 V
Nominal input current at U_N	14 mA

Load circuit

Circuit type	2-wire connection
Limiting continuous current	3 A
Peak output current	25 A
Nominal output voltage	DC 24 V
Output voltage range	DC 3 ... 30 V
Voltage drop at output (max.)	\leq DC 0.2 V
Voltage drop	\leq 0.2 VDC
Turn-on time	\leq 25 μ s
Turn-off time	\leq 450 μ s
Switching frequency	\leq 350 Hz

Signaling

Status indicator	Red LED
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Safety and protection

Rated voltage	300 V
Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Insulation type (control/load circuit)	Basic insulation
Insulation type (adjacent devices)	Reinforced insulation (safe isolation)
Insulation type (between adjacent devices of the same type)	Reinforced insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Protection type	IP20; in connected state or when using 859-525 end plate

Connection data

Connection technology	CAGE CLAMP®
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Subject to changes. Please also observe the further product documentation!



Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.08 ... 1.5 mm ² / 28 ... 16 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

Physical data

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

Mechanical data

Mounting type	DIN-35 rail
Mounting position	horizontal (standing/lying); vertical

Material Data

Color	gray
Fire load	0.338 MJ
Weight	18.6 g

Environmental requirements

Ambient temperature (operation at U _N)	-25 ... +55 °C
Ambient temperature (storage)	-40 ... +70 °C
Processing temperature	-25 ... +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 20 K)
Relative humidity	5 ... 95 % (no condensation permissible)
Operating altitude (max.)	2000 m

Standards and specifications

Standards/specifications	EN 61010-2-201 EN 61000-6-2 EN 61000-6-3 EN 61373
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Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-26-15-03

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



eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966423365
Customs tariff number	85365005000

Environmental Product Compliance

CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Austria)	fad9ea75-ce74-4ed6-b6c4-9c54a02ec8ea
SCIP notification number (Belgium)	88048a1c-f216-485d-9b1e-fefacb84e95d
SCIP notification number (Bulgaria)	66c67c7a-31e2-4f49-9150-3c449658a61f
SCIP notification number (Czech Republic)	f04a1ec9-7bb2-4c29-9bcb-b74949a510f7
SCIP notification number (Denmark)	4011c88f-e99d-427b-9e4a-a13a400a953f
SCIP notification number (Finland)	a1a0e0fb-703e-4bf6-b384-5ed82486124f
SCIP notification number (France)	b064116a-8a1c-4859-835d-154fc913783f
SCIP notification number (Germany)	705cdf49-d6e4-4a8a-8083-000bb5f9e004
SCIP notification number (Hungary)	80540ddc-2e11-40bb-9f99-c135d0481c6e
SCIP notification number (Italy)	0925e94d-ef61-4a5b-b354-9112816124a5
SCIP notification number (Netherlands)	519d73f0-52ef-4528-86bf-94bbb6037f1e
SCIP notification number (Poland)	1d78bb5c-9a62-4277-a39a-1f0aed2c8a8c
SCIP notification number (Romania)	9131eb84-8570-4dcb-a543-809d3348a5ff
SCIP notification number (Sweden)	c871fd06-d542-4a1a-a5cb-c97f8803eca6

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19

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Optional accessories

Ferrule		
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; light turquoise	www.wago.com/216-322
Testing and measuring		
Testing accessories		
Item no.: 859-500	WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm ²	www.wago.com/859-500
Jumpers		
Jumper		
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

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



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
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

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



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

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

Marking accessories

Marking device

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

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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

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**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**End plate****Intermediate plate**

Item no.: 859-525

End and intermediate plate; 1 mm thick; gray

www.wago.com/859-525**Downloads****Documentation****Bid Text**

859-761 docx - Datei	2019 年2月20 日	docx 15.7 kB	Download
859-761 X81 - Datei	2019 年2月19 日	xml 3.9 kB	Download

Instruction Leaflet

Relay modules, Optocoupler modules	V 2.0.0 2022 年1月19 日	pdf 2.1 MB	Download
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Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 年8月18 日	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 859-761	URL	Download
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CAE data

WSCAD Universe 859-761	URL	Download
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ZUKEN Portal 859-761	URL	Download
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EPLAN Data Portal 859-761	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-761	URL	Download
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Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 3 A; 2-wire connection; Red status indicator; Module width: 6 mm; gray

Installation Notes

Conductor termination

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



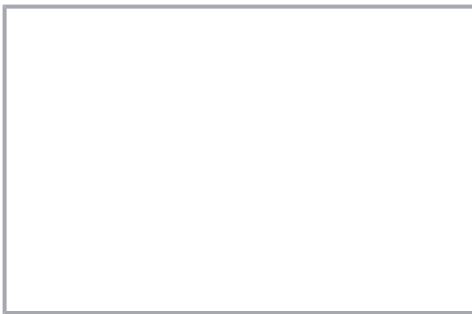
Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System

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