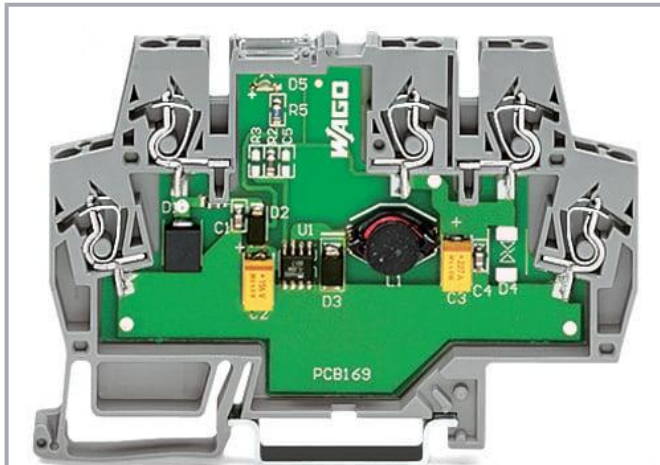


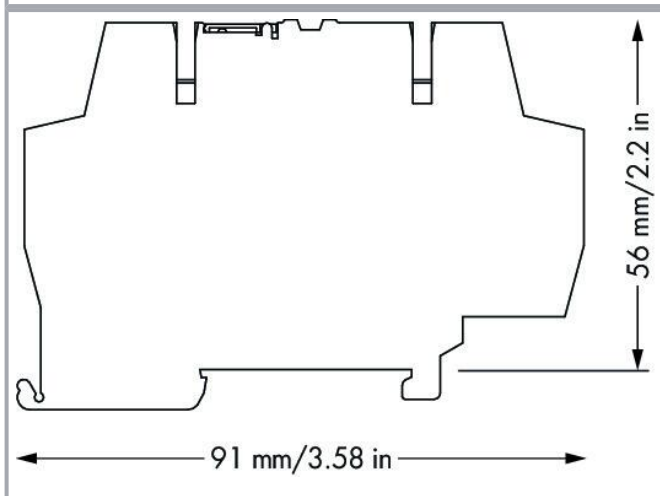
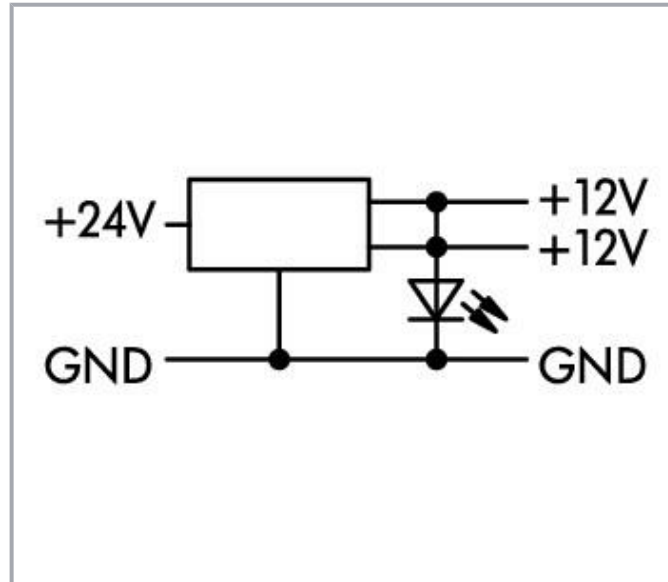
Data sheet | Item number: 859-805

DC/DC Converter; 24 VDC input voltage; 12 VDC output voltage; 0.5 A
output current; 2,50 mm²; gray

www.wago.com/859-805



Color: —



Data

Technical data

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Input

Nominal input voltage $U_{i\text{ nom}}$	DC 24 V
Input voltage range	DC 15 ... 30 V
Nominal mains frequency range	0 Hz
Mains failure hold-up time	≥ 0.5 ms

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 12 V
Output voltage range	$\pm 2\%$
Nominal output current $I_{o\text{ nom}}$	0.5 A
Residual ripple	≤ 20 mV
Switching frequency	20 kHz (nominal)
Overload behavior	Temporary no damage (short circuit of the output for 1 minute)

Signaling and Communication

Signaling	1 x LED
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Efficiency/power losses

Efficiency (typ.)	85 %
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Circuit protection

Internal fuse	TVS diode
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Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	Yes
Pollution degree	2
Series operation	No

Connection data

Number of jumper slots	2
Connection technology	CAGE CLAMP®

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



WAGO connector	WAGO 859 Series
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 inches

Physical data

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

Mechanical Data

Mounting type	DIN-35 rail DIN-35 rail
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Material Data

Color	gray
Fire load	0.48 MJ
Weight	35 g

Environmental requirements

Ambient temperature (operation)	-25 ... +55 °C
Operating altitude (max.)	2000 m

Standards and specifications

Conformity marking	CE
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Commercial data

eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	10 (1) pcs
Packaging type	box
Country of origin	US

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

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GTIN	4050821017486
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726

Optional accessories

End plate

Intermediate plate



Item no.: 859-525

End and intermediate plate; 1 mm thick; gray

www.wago.com/859-525

Tool

Operating tool

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

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**Item no.: 210-720**

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

www.wago.com/210-720**Marking accessories**

Marking devices

**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.: 248-503**

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**Item no.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/793-501**Item no.: 793-5501**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/793-5501**Downloads****Documentation****Bid Text**

859-805	2019 Feb 19	xml	Download
X81 - Datei		4.3 kB	

859-805	2015 Feb 6	doc	Download
doc - Datei		27.6 kB	

Instruction Leaflet

DC/DC-Wandler		pdf	Download
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Subject to changes. Please also observe the further product documentation!



68.8 kB

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

CAD/CAE-Data**CAE data**

EPLAN Data Portal 859-805	URL	Download
WSCAD Universe 859-805	URL	Download
ZUKEN Portal 859-805	URL	Download

CAD data

2D/3D Models 859-805	URL	Download
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Environmental Product Compliance**Compliance Search**

Environmental Product Compliance 859-805	URL	Download
DC/DC Converter; 24 VDC input voltage; 12 VDC output voltage; 0.5 A output current; 2,50 mm ² ; gray		

Installation Notes

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

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