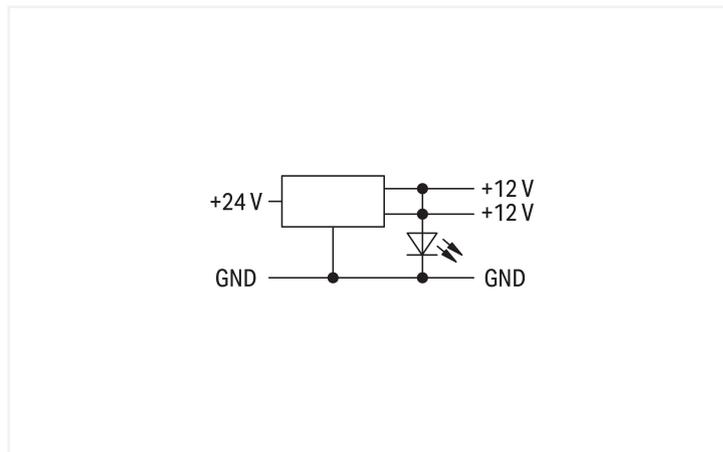


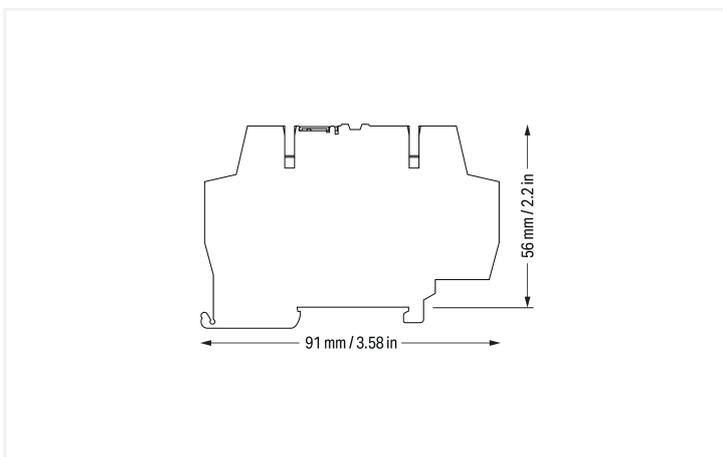
Data Sheet | Item Number: 859-805

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

<https://www.wago.com/859-805>



Color: ■ gray



Technical data

Input		Output	
Nominal input voltage $U_{i, nom}$	24 VDC	Nominal output voltage $U_{o, nom}$	12 VDC
Input voltage range	15 ... 30 VDC	Output voltage range	±2 %
Nominal mains frequency range	0 Hz	Nominal output current $I_{o, nom}$	0.5 A
Mains failure hold-up time	≥ 0.5 ms	Operating voltage feedthrough	≤ 0.5 %
		Load regulation	≤ 0.7 %
		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
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Connection 1

Connection technology	CAGE CLAMP®
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
Depth from upper-edge of DIN-rail	56 mm / 2.205 inches

Mechanical data

Housing design	Rail-mount terminal block
Mounting type	DIN-35 rail

Material data

Color	gray
Fire load	0.455 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

PU (SPU)	10 (1) pcs
Packaging type	Box
Country of origin	US
GTIN	4050821017486
Customs tariff number	85044083900

Product Classification

UNSPSC	39121004
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	EAR99

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-805



Documentation

Bid Text

859-805	19.02.2019	xml 4.15 KB	
859-805	06.02.2015	doc 27.00 KB	

Instruction Leaflet

DC/DC-Wandler	pdf 67.21 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 859-805



CAE data

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

1 Compatible Products

1.1 Optional Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 859-525](#)

End and intermediate plate; 1 mm thick; gray

1.1.1.2 Intermediate plate



[Item No.: 859-525](#)

End and intermediate plate; 1 mm thick; gray

1.1.2 Marking

1.1.2.1 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



Item No.: 248-502

Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-503

Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-506

Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-501

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



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



Item No.: 793-501

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

1.1.2.2 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720

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