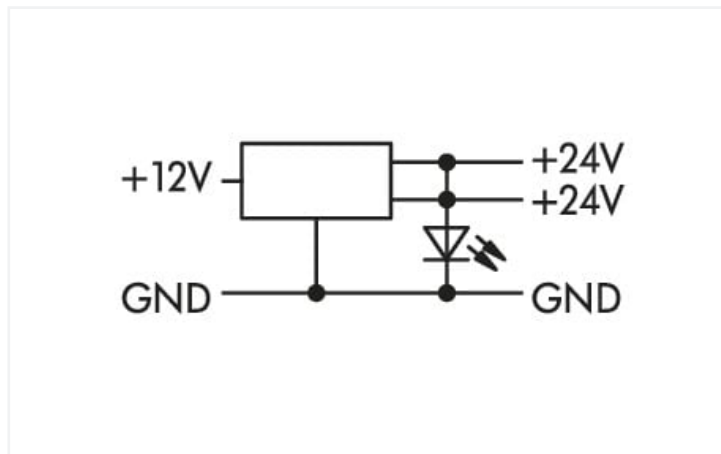
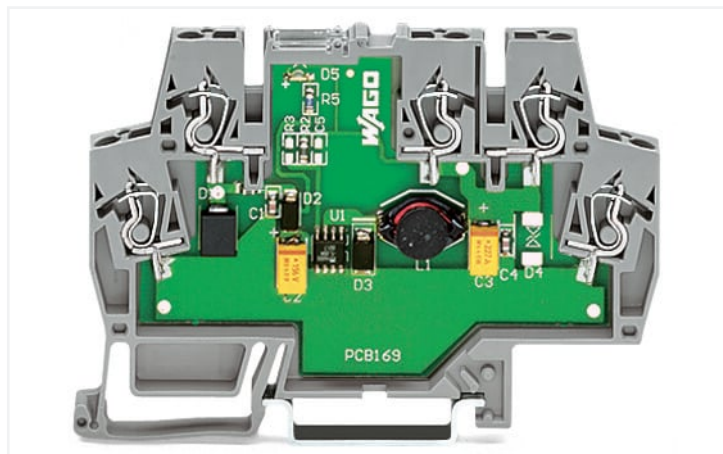


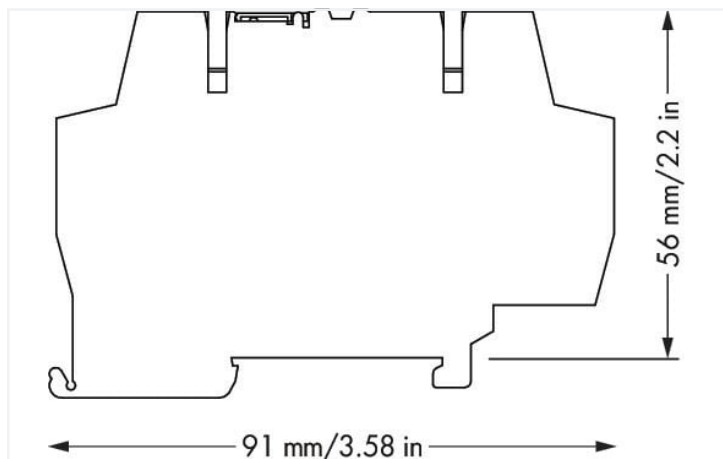
Data Sheet | Item Number: 859-804

DC/DC Converter; 12 VDC input voltage; 24 VDC output voltage; 0.25 A output current; 2,50 mm²; gray

<https://www.wago.com/859-804>



Color: ■ gray



Dimensions in mm

Technical data

Input

Nominal input voltage $U_{i, \text{nom}}$	DC 12 V
Input voltage range	DC 8 ... 16 V
Nominal mains frequency range	0 Hz
Mains failure hold-up time	≥ 0.5 ms

Output

Nominal output voltage $U_{o, \text{nom}}$	DC 24 V
Output voltage range	± 1 %
Nominal output current $I_{o, \text{nom}}$	0.25 A
Operating voltage feedthrough	≤ 0.5 %
Load regulation	≤ 0.5 %
Residual ripple	≤ 40 mV
Switching frequency	1.2 MHz (Nominal)
Overload behavior	Fuse

Signaling and communication

Signaling	1 x LED
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Efficiency/power losses

Efficiency (typ.)	83 %
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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®
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

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

Material data

Color	gray
Fire load	0.48 MJ
Weight	28.8 g

Environmental requirements

Ambient temperature (operation)	-25 ... +55 °C
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Standards and specifications

Conformity marking	CE
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Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
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
GTIN	4050821017479
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122/19

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 859-804	↓

Documentation

Bid Text			
859-804	19.02.2019	xml 4.03 KB	↓
859-804	06.02.2015	doc 26.00 KB	↓

Instruction Leaflet		
DC/DC-Wandler	pdf 67.21 KB	↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 859-804	EPLAN Data Portal 859-804
	WSCAD Universe 859-804
	ZUKEN Portal 859-804

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