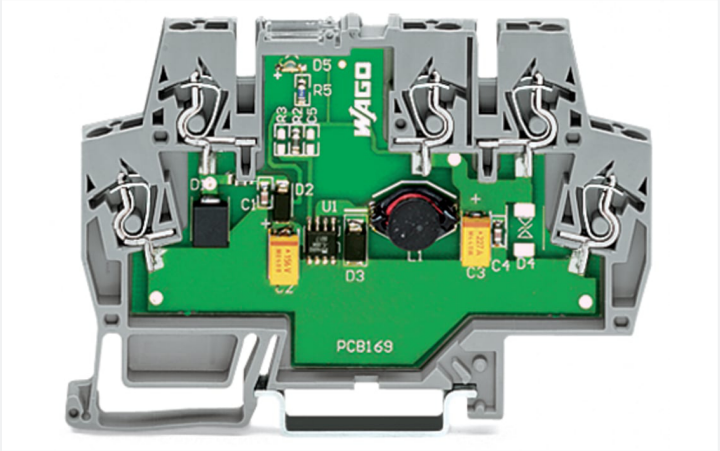
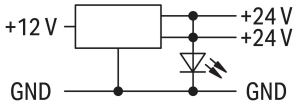
Data Sheet | Item Number: 859-804

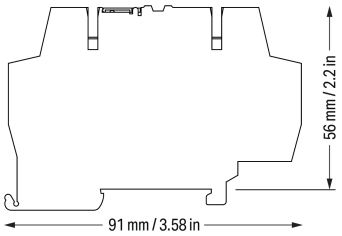
DC/DC Converter; 12 VDC input voltage; 24 VDC output voltage; 0.25 A output current; 2,50 mm²; gray

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





Color: gray



Technical data

Input

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

Output

Nominal output voltage $U_{o\,nom}$	24 VDC
Output voltage range	±1 %
Nominal output current $I_{o\,nom}$	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

Continued on next page

Signaling and Communication

Signaling	1 x LED

Efficiency/Power Losses

Efficiency (typ.)	83 %

Circuit Protection

Internal fuse	TVS diode

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 1

Connection technology	CAGE CLAMP®
WAGO connector	WAGO 859 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 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	0.41 MJ
Weight	35.1 g

Environmental requirements

Ambient temperature (operation)	-25 … +55 °C

Continued on next page

Standards and Specifications

Conformity marking	CE

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
PU (SPU)	10 (1) pcs
Packaging type	Box
Country of origin	US
GTIN	4050821017479
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

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-804

Continued on next page

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

2D/3D Models 859-804

CAE data

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

Continued on next page

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