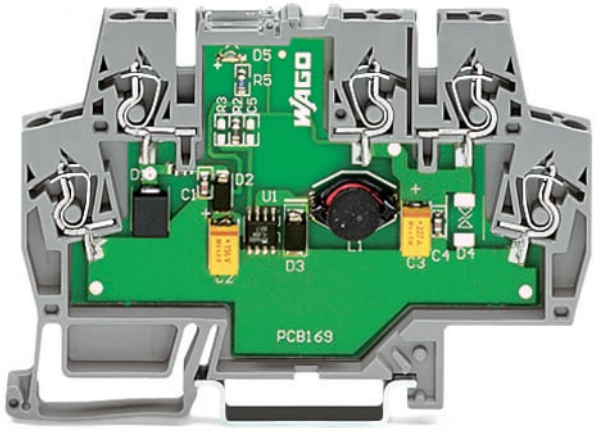
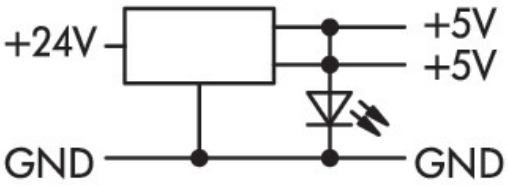
Data Sheet | Item Number: 859-801

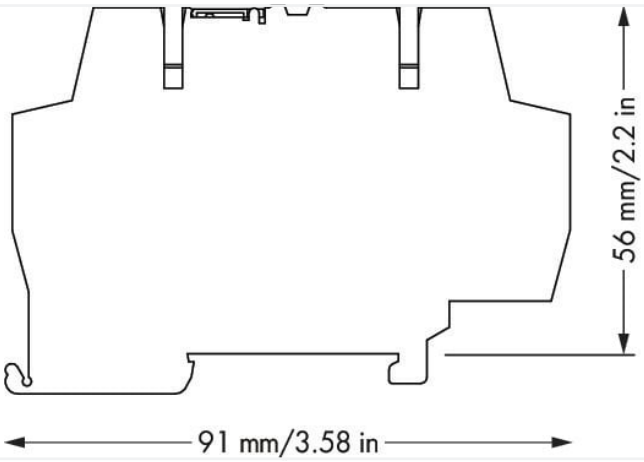
DC/DC Converter; 24 VDC input voltage; 5 VDC output voltage; 0.4 A output current; 2,50 mm²; gray

https://www.wago.com/859-801





Color: gray



Dimensions in mm

End and intermediate plate (859-525) is included

Technical data

Input

Nominal input voltage $U_{i\,nom}$	DC 24 V
Input voltage range	DC 10 … 30 V
Nominal mains frequency range	0 Hz
Mains failure hold-up time	≥ 1 ms

Output

Nominal output voltage $U_{o\,nom}$	DC 5 V
Output voltage range	±2 %
Nominal output current $I_{o\,nom}$	0.5 A (single, 10 mm spacing); 0.4 A (in a row)
Operating voltage feedthrough	≤ 2 %
Load regulation	≤ 0.5 %
Residual ripple	≤ 150 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

Efficiency/power losses

Efficiency (typ.)	70 %

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 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
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	34.6 g

Environmental requirements

Ambient temperature (operation)	0 … +40 °C

Standards and specifications

Conformity marking	CE

Continued on next page

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
GTIN	4050821021568
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 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI-ONS)	UL 508	E175199 Sec.4

Declarations of conformity and manufacturer's declarations

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

Approvals for hazardous areas

Approval	Standard	Certificate Name
CCC CNEX	CNCA-C23-01	2021312304000982 (Ex ec IIC T4 Gc)
UKEx WAGO GmbH & Co. KG	EN 60079-0	WAGO22UKEX007X_ec
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA-TIONS)	ANSI/ISA 12.12.01	E198726

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-801

Documentation

Bid Text

859-801	19.02.2019	xml 4.23 KB
859-801	06.02.2015	doc 26.00 KB

Instruction Leaflet

CCC Ex (Additional information)	26.04.2023	pdf 132.68 KB
DC/DC-Wandler		pdf 79.43 KB

CAD/CAE-Data

CAD data

2D/3D Models 859-801

CAE data

EPLAN Data Portal 859-801

WSCAD Universe 859-801

ZUKEN Portal 859-801

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

WAGO:

859-354 852-1322 2002-1207 235-502 751-9301 759-302 769-428 2624-1312 2636-1355 236-424 236-506 750-1405/040-000 2010-1205 2102-1204 2624-3502 2787-2144 859-798 855-3001/250-001 261-402 769-131 769-413 260-105 885-566 890-503 207-4301 2086-1107 233-508 2636-3108/020-000 750-638/025-000 2606-3353