

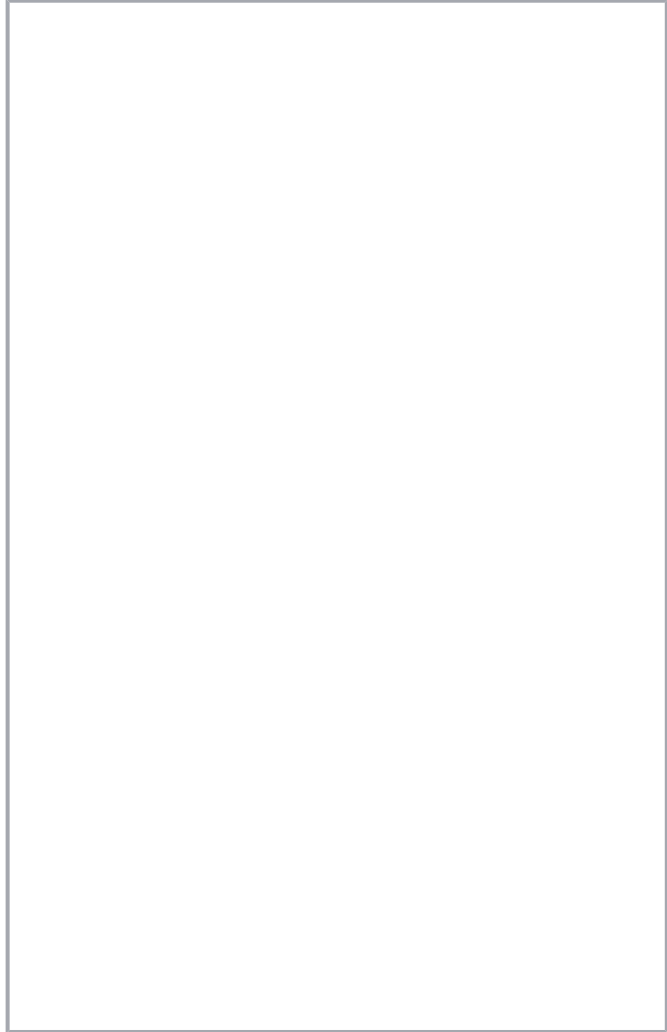
Data sheet | Item number: 859-804

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

www.wago.com/859-804



Color:



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.



Data

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

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.



Output

Nominal output voltage $U_{o\ nom}$	DC 24 V
Output voltage range	$\pm 1\ %$
Nominal output current $I_{o\ nom}$	0.25 A
Residual ripple	$\leq 40\ mV$
Switching frequency	1.2 MHz (nominal)
Overload behavior	Fuse

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 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

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



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
---------------------------------	----------------

Standards and specifications

Conformity marking	CE
--------------------	----

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

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.



Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011	EAC RU C-DE.AM02. B.00122 /19

Optional accessories

End plate

Intermediate plate

Item no.: 859-525

End and intermediate plate; 1 mm thick; gray

www.wago.com/859-525

Marking accessories

Marking device

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

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.



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

Tool

Operating tool

Item no.: 210-720

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

www.wago.com/210-720

Downloads

Documentation

Bid Text

859-804 X81 - Datei	2019 年2月19 日	xml 4.1 kB	Download
------------------------	--------------	---------------	----------

859-804 doc - Datei	2015 年2月6 日	doc 26.6 kB	Download
------------------------	-------------	----------------	----------

Instruction Leaflet

DC/DC-Wandler		pdf 68.8 kB	Download
---------------	--	----------------	----------

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
---	-------------------------	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 859-804		URL	Download
----------------------	--	-----	----------

CAE data

EPLAN Data Portal 859-804		URL	Download
---------------------------	--	-----	----------

ZUKEN Portal 859-804		URL	Download
----------------------	--	-----	----------

WSCAD Universe 859-804		URL	Download
------------------------	--	-----	----------

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.



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-804

URL

Download

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

Installation Notes

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.