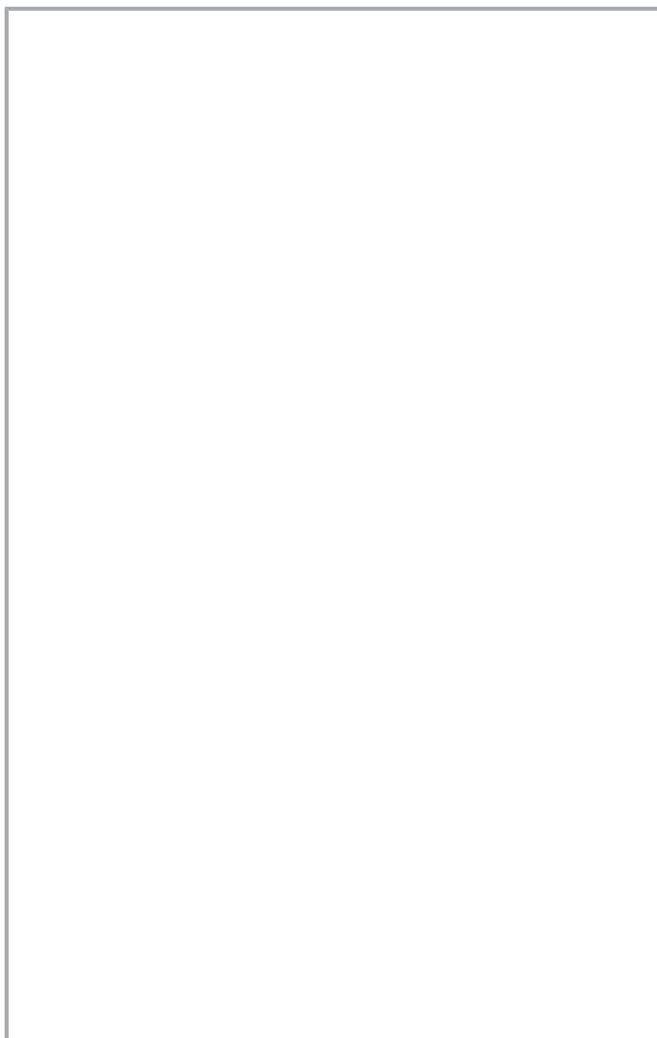


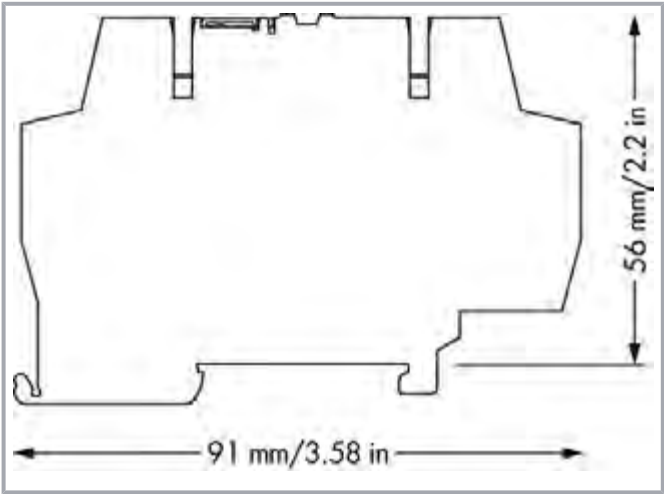
Data sheet | Item number: 859-801

DC/DC converter; input voltage 24 VDC; output voltage; 5 VDC; 0.5 A



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

Web: <https://www.bolenscontrol.com/> - Phone: (800) 658-5241 - Email: sales@bolenscontrol.com



Item description

Incl. end and intermediate plate 859-801

Data

Technical data

Input

Nominal input voltage [V]	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 [V]	DC 5 V
Output voltage range	DC 5 V
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)

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



Signaling and communication

Signaling	1 x LED
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Efficiency/power losses

Efficiency (typ.)	70 %
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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 inch

Physical data

Width	6 mm / 0.236 inch
Height	91 mm / 3.583 inch
Height from upper-edge of DIN-rail	56 mm / 2.205 inch
Depth	91 mm / 3.583 inch
Depth from upper edge of DIN-rail	56 mm / 2.205 inch

Mechanical data

Mounting type	DIN-35 rail
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Subject to changes. Please also observe the further product documentation!

Material data

Color	gray
Fire load	0.455 MJ
Weight	34.6 g

Environmental requirements

Surrounding air temperature (operation)	0 ... 40 °C
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Standards and specifications

Conformity marking	CE
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Commercial data

PU (SPU)	10 (1) Stück
Packaging type	box
Country of origin	US
GTIN	4050821021568
Customs tariff number	8504409510

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCCEX CQST/CNEx	CNCA-C23-01	2021312304000982
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.4

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

Optional accessories

End plates

End plate



Item no.: 859-525

End and intermediate plate; 1 mm thick; Gray

Tools

Operating tool



Item no.: 210-720

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

Marking accessories

Marking device



Item no.: 210-110

Fiber-tip pen

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.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; 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.: 248-502

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



Item no.: 793-501

WMB 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

Ferrules

Ferrule



Item no.: 216-223

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item no.: 216-222

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

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

**Item no.: 216-221**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white**Item no.: 216-224**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black**Item no.: 216-321**Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow**Item no.: 216-322**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green**Downloads****Documentation****Bid Text**

859-801 X81 - Datei	Feb 19, 2019	xml 4.3 kB
859-801 doc - Datei	Feb 6, 2015	doc 26.6 kB

Instruction Leaflet

DC/DC-Wandler	pdf 81.3 kB
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB
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CAD files**CAD data**

2D/3D Models 859-801

CAE data

EPLAN Data Portal 859-801

WSCAD Universe 859-801

ZUKEN Portal 859-801

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



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 859-801

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

Installation Notes

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