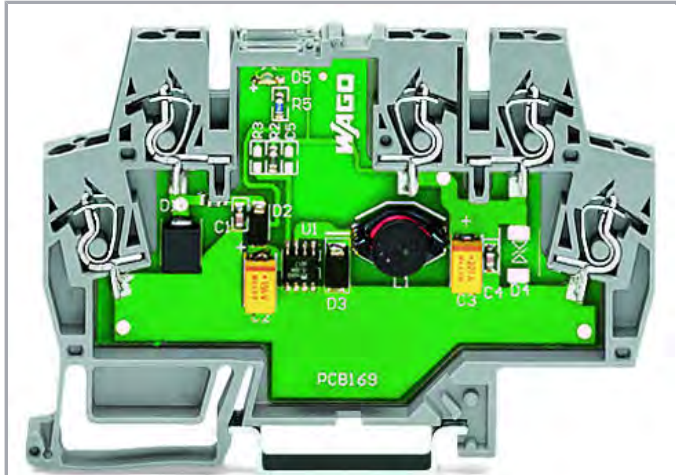


Data sheet | Item number: 859-805

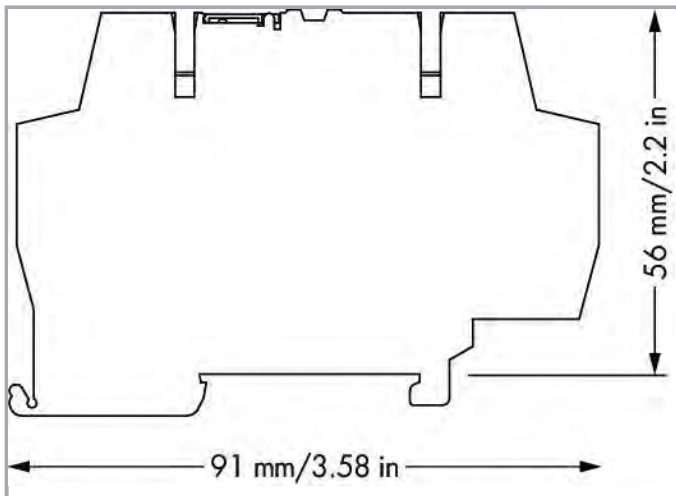
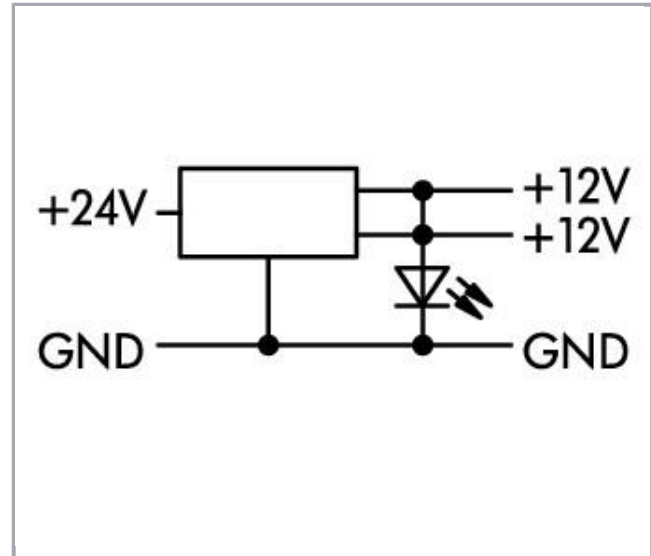
DC/DC Converter; 24 VDC input voltage; 12 VDC output voltage; 0.5 A output current; 2,50 mm²; gray



RoHS
Compliant

BOMcheck.net

Color: ■



Data
Technical Data

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



Input

Nominal input voltage $U_{i\text{ nom}}$	DC 24 V
Input voltage range	DC 15 ... 30 V
Nominal mains frequency range	0 Hz
Mains failure hold-up time	$\geq 0,5$ ms

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 12 V
Output voltage range	± 2 %
Nominal output current $I_{o\text{ nom}}$	0,5 A
Operating voltage feedthrough	$\leq 0,5$ %
Load regulation	$\leq 0,7$ %
Residual ripple	≤ 20 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
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Efficiency/Power losses:

Efficiency (typ.)	85 %
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Fuse 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
Series operation	No

Connection data

Number of jumper slots	2
Connection technology	CAGE CLAMP®

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



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

Geometrical Data

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

Mechanical data

Mounting type	DIN-35 rail (EN 60715)
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Material Data

Color	gray
Fire load	0.455 MJ
Weight	35 g

Environmental Requirements

Surrounding air temperature (operation)	-25 ... 55 °C
Pollution degree	2

Standards and specifications

Conformity marking	CE
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Commercial data

Packaging type	BOX
Country of origin	US
GTIN	4050821017486
Customs tariff number	85044082900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 508	E175199

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



Counterpart

Compatible products

End plate

**Item no.: 859-525**

End and intermediate plate; 1 mm thick; gray

ferrule

**Item no.: 216-221**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white**Item no.: 216-222**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray**Item no.: 216-223**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red**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

Marking accessories

**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.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

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

**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item no.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

**Item no.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

**Item no.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

**Item no.: 210-110**

Fiber-tip pen

**Item no.: 248-501**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

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


Item no.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet


Item no.: 248-502

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


Item no.: 248-502/000-024

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


Item no.: 248-503

Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white


Item no.: 248-503/000-024

Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; violet


Item no.: 248-504/000-024

Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; violet


Item no.: 248-505/000-024

Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; violet


Item no.: 248-506

Mini-WSB marking card; as card; MARKED; 41 ... 50 (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.: 793-501/000-002

WMB marking card; as card; not stretchable; plain; snap-on type; yellow


Item no.: 793-501/000-005

WMB marking card; as card; not stretchable; plain; snap-on type; red


Item no.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue


Item no.: 793-501/000-007

WMB marking card; as card; not stretchable; plain; snap-on type; gray


Item no.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange

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


Item no.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green


Item no.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green


Item no.: 793-501/000-024

WMB marking card; as card; not stretchable; plain; snap-on type; violet


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.: 793-5501/000-002

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow


Item no.: 793-5501/000-005

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red


Item no.: 793-5501/000-006

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue


Item no.: 793-5501/000-007

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray


Item no.: 793-5501/000-012

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange


Item no.: 793-5501/000-017

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green


Item no.: 793-5501/000-023

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green


Item no.: 793-5501/000-024

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

tools

Item no.: 210-720

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

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



Downloads

Documentation

Instruction Leaflet

DC/DC-Wandler

Additional Information

Disposal; Electrical and electronic equipment, Packaging

V 1.0.0

CAD/CAE-Data

CAD data

2D/3D Models 859-805

CAE data

EPLAN Data Portal 859-805

WSCAD Universe 859-805

Installation Notes

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