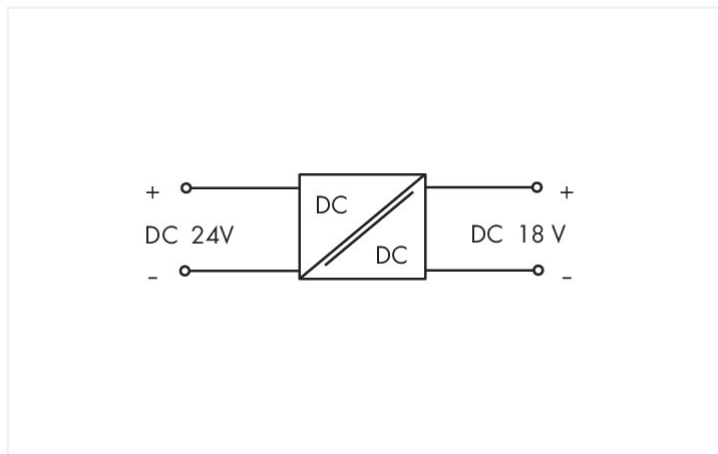
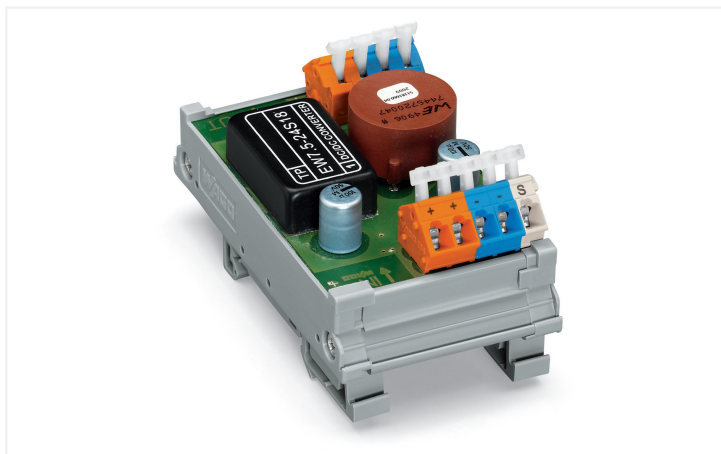


## Data Sheet | Item Number: 288-895

DC/DC Converter; 24 VDC input voltage; 18 VDC output voltage; 0.4 A output current; 2,50 mm<sup>2</sup>

<https://www.wago.com/288-895>



### Notes

#### Safety information

According to the DALI specification, DALI ECGs have only basic isolation from the power supply. The DC/DC converter (288-895) does not offer any additional protective measures against the power supply, i.e., the input voltage cannot be regarded as SELV. Supplying the DC/DC converter (288-895) from a separate power supply unit is recommended and the necessary protections against contact must be observed.

### Technical data

#### Input

Nominal input voltage $U_{i, \text{nom}}$	DC 24 V
Input voltage range	DC 19 ... 36 V
Nominal mains frequency range	0 Hz
Input current $I_i$	$\leq 0.53$ A (19 VDC); $\leq 0.26$ A (36 VDC)

#### Output

Nominal output voltage $U_{o, \text{nom}}$	DC 18 V
Output voltage range	$\pm 2$ %
Nominal output current $I_{o, \text{nom}}$	0.4 A

### Efficiency/power losses

Efficiency (typ.)	82 %
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### Safety and protection

Isolation voltage (AC)	AC 0.9 kV
Pollution degree	2
Short-circuit-protected	Yes
Series operation	No

### Connection data

Connection technology	CAGE CLAMP®
WAGO connector	WAGO 256 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
Note (conductor cross-section)	12 AWG: THHN, THWN

### Physical data

Width	50 mm / 1.969 inches
Height	85 mm / 3.346 inches
Depth from upper-edge of DIN-rail	25 mm / 0.984 inches

### Mechanical data

Mounting type	DIN-35 rail
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### Material data

Fire load	2.499 MJ
Weight	73.4 g

### Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +80 °C
Relative humidity	≤ 85% (non-condensing)
Operating altitude (max.)	2000 m

### Standards and specifications

Conformity marking	CE
EMC immunity to interference	per EN 61000-6-2* *only in connection with 750-641 DALI/DSI Master Module
EMC emission of interference	per EN 61000-6-3*, *only in connection with 750-641 DALI/DSI Master Module

### 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)	5 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454494889
Customs tariff number	85044083900

### Environmental Product Compliance

CAS-No.	12060-00-3 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead Lead titanium oxide (PbTiO <sub>3</sub> )
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II
SCIP notification number (Bulgaria)	7c317f44-c0ce-4c11-91f5-9081dba30f0a
SCIP notification number (Czech Republic)	4d65ffc4-b0c7-4df1-84b7-9a92c84bb15c

### Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	22-2219060
DNV DNV GL SE	DNV-CG-0339,Aug.2021	TAA0000194
LR Lloyds Register EMEA	-	LR22180952TA
RINA RINA Germany GmbH	-	ELE343521XG001

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 288-895 <a href="#">↓</a>

Documentation

Bid Text
288-895 19.02.2019 xml 3.39 KB <a href="#">↓</a>
288-895 20.11.2015 doc 24.50 KB <a href="#">↓</a>

Instruction Leaflet
DC/DC Converter V 1.1.0 19.01.2021 pdf 911.19 KB <a href="#">↓</a>

CAD/CAE-Data

CAE data
EPLAN Data Portal 288-895 <a href="#">↓</a>
WSCAD Universe 288-895 <a href="#">↓</a>

1 Compatible Products

1.1 Optional Accessories

### 1.1.1 Marking

#### 1.1.1.1 Marking strip



**Item No.: 709-196**

Marking strips; for laser printer; translucent



**Item No.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent



**Item No.: 709-178**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

### 1.1.2 Tool

#### 1.1.2.1 Operating tool



**Item No.: 210-720**

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