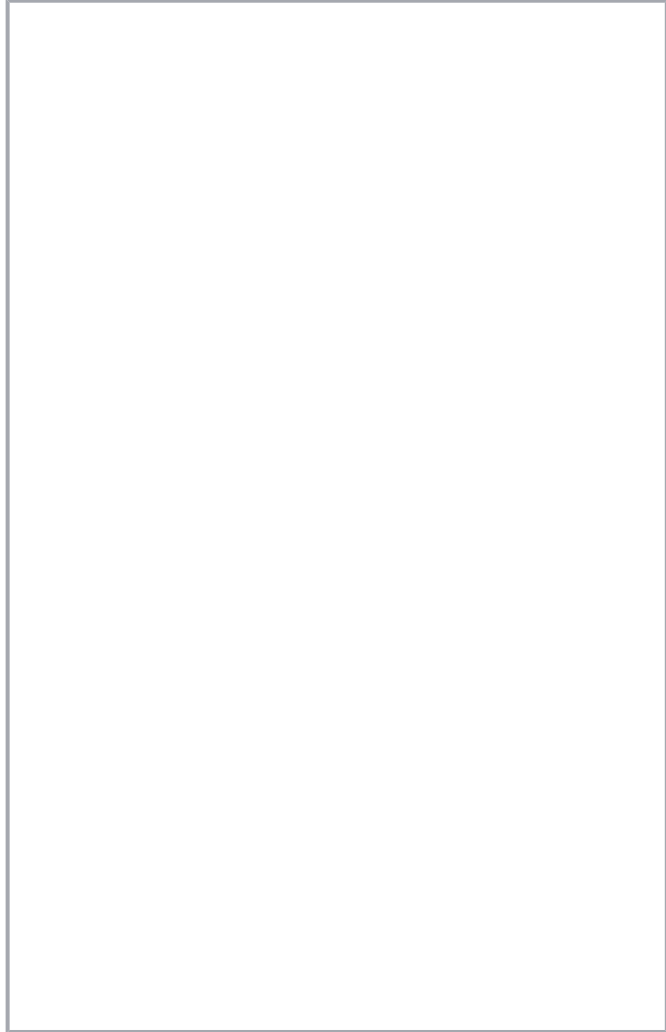


Data sheet | Item number: 288-895

DC/DC Converter; 24 VDC input voltage; 18 VDC output voltage; 0.4 A output current; 2,50 mm²



www.wago.com/288-895



**Data
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

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

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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	≤ 0.53 A (19 VDC); ≤ 0.26 A (36 VDC)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 18 V
Output voltage range	± 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 ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
Note (conductor cross-section)	12 AWG: THHN, THWN

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



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

Housing design	Mounting carrier
Mounting type	DIN-35 rail

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

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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 (PbTiO3)
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

Logo	Approval	Additional Approval Text	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

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	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

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Optional accessories

Marking accessories

Marking strip		
Item no.: 709-196	Marking strips; for laser printer; translucent	www.wago.com/709-196
Item no.: 709-178	Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white	www.wago.com/709-178
Item no.: 709-177	Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent	www.wago.com/709-177

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

288-895 X81 - Datei	2019 年2月19日	xml 3.5 kB	Download
288-895 doc - Datei	2015 年11月20日	doc 25.1 kB	Download

Instruction Leaflet

DC/DC Converter	V 1.1.0 2021 年1月19日	pdf 933.1 kB	Download
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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
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CAD/CAE-Data

CAE data

EPLAN Data Portal 288-895		URL	Download
WSCAD Universe 288-895		URL	Download

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 288-895

URL

Download

DC/DC Converter; 24 VDC input voltage; 18 VDC output voltage; 0.4 A output current;
2,50 mm²

Installation Notes

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