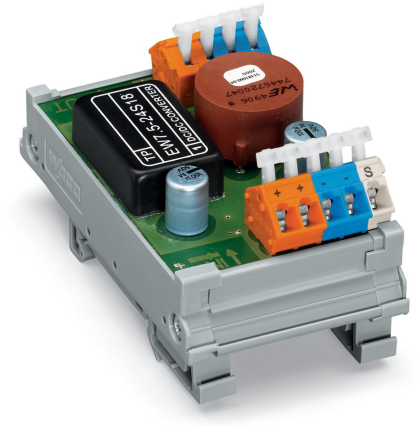
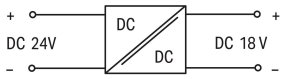
Data Sheet | Item Number: 288-895

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

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 $U_{i\,nom}$	24 VDC
Input voltage range	19 … 36 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.53 A (19 VDC); ≤ 0.26 A (36 VDC)

Output

Nominal output voltage $U_{o\,nom}$	18 VDC
Output voltage range	±2 %
Nominal output current $I_{o\,nom}$	0.4 A

Efficiency/Power Losses

Efficiency (typ.)	82 %

Safety and protection

Isolation voltage (AC)	0.9 kVAC
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	No
Series operation	No

Connection Data

Note (conductor cross-section)	12 AWG: THHN, THWN

Connection 1

Connection technology	CAGE CLAMP®
WAGO connector	WAGO 256 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length	5 … 6 mm / 0.2 … 0.24 inches

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	2.151 MJ
Weight	76.7 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)
PU (SPU)	5 (1) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966152609
Customs tariff number	85044083900

Continued on next page

Product Classification

UNSPSC	39121006
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	12060-00-3 1303-86-2 1317-36-8 7439-92-1 79-94-7 80-43-3
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Diboron trioxide Lead Lead monoxide Lead titanium oxide (PbTiO3) Peroxide, bis(1-methyl-1-phenylethyl)
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	fb5e3d66-f782-444b-854b-ba546e10ff01
SCIP notification number (Belgium)	2208cd58-564c-4e97-a74c-4e55763255b9
SCIP notification number (Bulgaria)	7c317f44-c0ce-4c11-91f5-9081dba30f0a
SCIP notification number (Czech Republic)	4d65ffc4-b0c7-4df1-84b7-9a92c84bb15c
SCIP notification number (Denmark)	98705a12-fd6e-49a2-b11b-5815d81245b9
SCIP notification number (Finland)	daf6cef0-4e02-4ea3-9698-3a31f26789bd
SCIP notification number (France)	b9ed627c-0f22-4499-9d5e-eadc4cb47a2c
SCIP notification number (Germany)	f235937b-b687-4bbe-8a79-d110d2647b3a
SCIP notification number (Hungary)	f7390362-11da-4f40-97f3-b541e3ac557c
SCIP notification number (Italy)	2b474ae1-208b-4542-ab43-b34c980743f7
SCIP notification number (Netherlands)	66ed3e96-174d-4597-a2bb-44db39ab4a75
SCIP notification number (Poland)	3fc3eb3a-e5fe-4bb7-a915-217091ffc860
SCIP notification number (Romania)	f1a14c28-5f96-41e3-aacc-7738dd9f805b
SCIP notification number (Sweden)	0f147981-1cb2-4f4c-a901-f59b1403b2db

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081

Declarations of conformity and manufacturer's declarations

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

Continued on next page

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	25-0415412
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

Documentation

Bid Text

288-895	19.02.2019	xml 3.39 KB
288-895	20.11.2015	doc 24.50 KB

Instruction Leaflet

DC/DC Converter	V 1.1.0 19.01.2021	pdf 911.19 KB

CAD/CAE-Data

CAE data

EPLAN Data Portal 288-895

WSCAD Universe 288-895

Continued on next page

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