

DC/DC converter



Identification	Type	NG-9001
	Part-No.	819001
Product version		
Datasheet version		00
Use/Application/Properties		
Description	DC/DC - Converter for charging mobile phones and tablet pcs on rail vehicles. The converter has a wide range input DC 24–110 V. On the output two channels with 5.3 V/2.1 A are available.	
Technical data		
Voltage range	DC 16.8 – 137.5 V	
Input voltage	DC 24 – 110 V	
Output voltage	DC 5.3 V ± 0.25 V	
Output current	2.1 A per channel (T ≤ +50 °C) 1.5 A per channel (T > +50 °C)	
Protection device	Reverse diode / Suppressor diode	
Status Indication	LED green (Output voltage) per channel	
Protection device output	Short-circuit and overload protection	
General		
Termination	X1 / X2: Spring terminal: 0,2 – 2,5 mm ² Stripping Length: 10 mm Screwdriver: 3,5 × 0,6 mm X0: Screw M4	
Operation temperature range	-40 °C – 70 °C (+85 °C 10 min)	
Storage temperature range	-40 – 85 °C	
Dimensions (w x h x d)	66.0 × 160.0 × 59.0	
Weight (kg/piece)	0.320 kg/piece	
Housing material	Aluminium	
Field installation	on TS35-15 or TS35-7,5 acc. to EN 60715	
Installation position	Optional	

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Standards

EN 50155:2007-07

Railway applications – Electronic equipment used on rolling stock

EN 50121-3-2:2006-07

Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

EN 50124-1:2001-03

Railway applications – Insulation coordination – Part 1: Basic requirements, Clearances and creepage distances for all electrical and electronic equipment

EN 61373:2010-09

Railway applications – Rolling stock equipment – Shock and vibration tests

HN_Isolationsprüfung:2012-02

Company standard insulation testing

Galvanic isolation I/O

yes

Protection class

IP 20

Rated insulation voltage

150 V

Contamination level 2

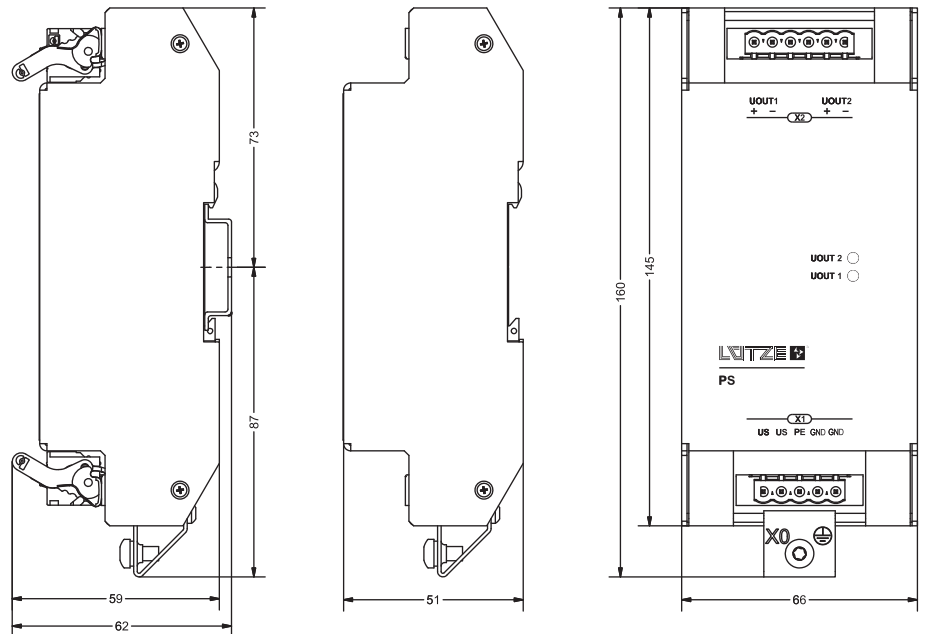
Over voltage category II

Accessories

Terminal set, part no. 819000 included in delivery

USB charging cable, part no. 819900.0100 or 819900.0200 (not in the scope of delivery)

Dimensions



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Circuit diagram

