TRIDONIC

DALI PS2

DALI power supply



Product description

- For supplying 240 mA for DALI devices or control modules without their own power supplies
- For installation in switching cabinets
- 5 years guarantee (conditions at https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions)

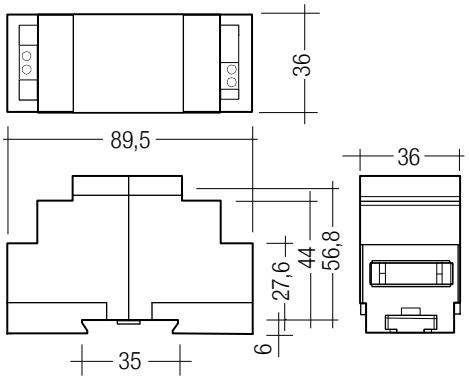
Website

http://www.tridonic.com/28000876

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Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI PS2	**28000876**	40 pc(s).	0.105 kg

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	57 mA
Power	4.7 W
Output voltage	13.5 V ± 5 %
Max. output current, DALI	240 mA
Operating temperature	0 … +50 °C
Max. casing temperature tc	80 °C
Storage temperature ts	0 … +70 °C
Type of protection	IP20
Dimensions L x W x H	89.5 x 36 x 56.8 mm
Guarantee (conditions at www.tridonic.com)	5 Year(s)

Approval marks

RoHS

Standards

EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, EN 61347-2-11, EN 62386-101

1. Standards

EN 55015
EN 61547
EN 61000-3-2
EN 61000-3-3
EN 61347-2-11
EN 62386-101

1.1 DALI standard

DALI PS2 is designed to supply control gear with DALI standard IEC 60929 (DALI V0) and IEC 62386 (DALI V1).

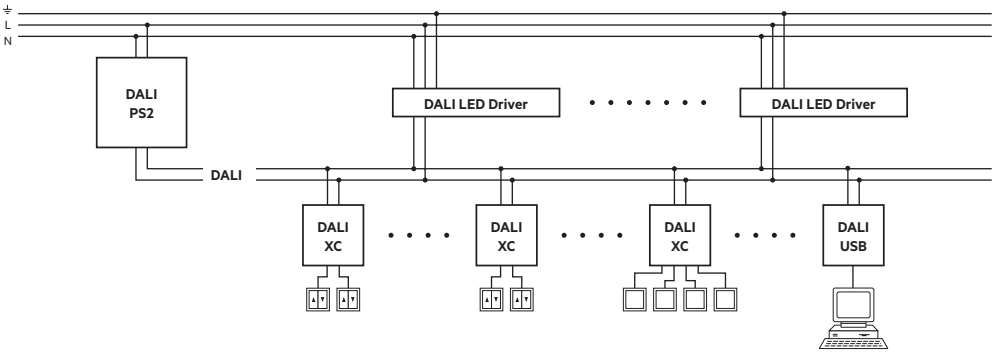
1.2 Glow-wire test

according to EN 60598-1 passed.

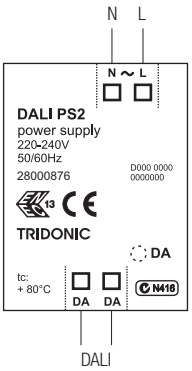
2. Installation

- DALI signals are not SELV. Therefore the same procedures should be applied as working with mains voltage
- Individual DALI circuits must not exceed 240 mA
- The maximum cable length of the DALI signal wires must not exceed 300 m or drop more than 2 V on the signal line voltage

2.1 Wiring

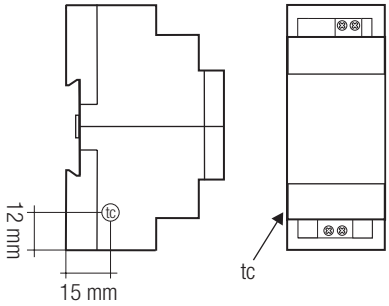


2.2 Circuit diagram



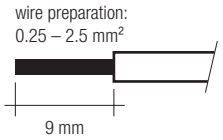
2.3 tc control point

Max. casing temperature tc = 80 °C



2.4 Wiring type and cross section

For wiring use stranded wire without / with ferrules or solid wire from 0.25 to 2.5 mm².



3. Miscellaneous

3.1 Disposal

According to the WEEE directive return old equipment at appropriate collection facilities.

3.2 Additional information

Additional technical information at www.tridonic.com → Technical Data

Guarantee conditions at www.tridonic.com → Services

Lifetime declarations are informative and represent no warranty claim. No warranty if device was opened.