90519006

BITS2POWER® DALI PROTOCOL COMMUNICATION KEY

Product description

- DALI compatible communication interface
- 3-pole Screw terminals
- Power and DALI status LED
- 3 Year Warranty
- CE certified
- IP20

Applied Standards

EN55022

EN55024

Technical notes

Dimensions	115x80x38mm
Weight	170 gr.
Housing	Stainless Steel 430
Color	Blanc

Ordering data

Type	Article number
DALI Protocol	90519006

Electrical Characteristics

Output	DALI
Input	DALI

Protections

Current protection	Output current limited
Over voltage	Internally protected

Connections

Output	3-Pole screw terminal, 2,5mm² max.
Input	3-Pole screw terminal, 2,5mm² max.

Controls

Address switches	Switches set the device's communication address

① Typical value

② Nominal output voltage is # of LEDS x LED forward voltage

③ Tolerances of 5% and for each circuit

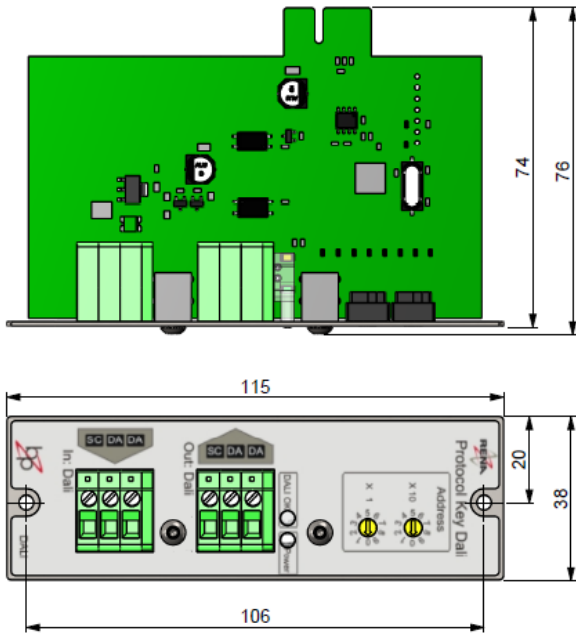④ Percentage of output current

⑤ To be determined

Technical details

Output	DC voltage Range	-22,5… 22,5	V	①
	Maximum current	2	mA	①
Input	DC voltage Range	-22,5… 22,5	V	①
	Maximum current	2	mA	①
Protection	Short Circuit	Protected by self recoverable fuse		
	Over Current	Current limited circuit		
	Over Voltage	Input protected by TVS diode		
Safety & EMC	Withstand Voltage	I/P-O/P: 0,5kV		
	Isolation Resistance	I/P-FG: >100MΩ / 500VDC/ 25°C/ 70%RH		
	EMI	EN55022 (CISPR22)		
	EMS IMMUNITY	EN55024, EN61000-4-2, 3, 4, 5, 6, 11		

Mechanical Dimensions

Overall dimensions	L = 115 x W = 80 mm Height = 38 mm

Environmental characteristics

Storage temperature	-20 – +85°C
Operating temperature	- 5 – +40°C
Operating humidity	10-95% RH
IP classification	IP20

Installation and Safety Information

Installation must be carried out under observation of the relevant regulations and standards. The following advice must be followed:

- See PDC600 controller manual for system installation details.
- The device contains components that are sensitive to electrostatic discharge and may only be installed in the factory and on site if appropriate EOS/ESD protection measures have been taken.
- Use wire size of maximum AWG 16 for connecting the B2P device.
- Please ensure the correct polarity of the leads.
- For outdoor or damp locations, be aware of the IP classification.

All above specifications must be met in order to qualify for the 3 year warranty.

Packaging

Box size (mm)	127x80x48 mm
Quantity each Box	1
Weight each box (kg)	0,1 kg

Installation

Use screwdriver type PH1 for mounting screws.

Input/Output

Pin	1	SC	Shield
	2	DA	Data
	3	DA	Data

Subject to change without notice.
Datasheet version 03 - 2013.10

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