90519005

BITS2POWER® RDM PROTOCOL COMMUNICATION KEY

Product description
- DMX RDM compatible communication interface
- 3-pole XLR connectors
- Rotary address switches
- Power and RDM 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

Electrical Characteristics

Input	DMX RDM
Output	DMX RDM

Protections

Short circuit protection	Output current limit
Over voltage	Internally protected

Ordering data

Type	Article number
DMX RDM Protocol	90519005

Connections

Output	3-Pole Female XLR connector
Input	3-Pole Male XLR connector

① Tolerance of 5%

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

Controls

Address switches	Swtiches set the device's communication address

Technical details

Output	DC voltage Range	-7… 12	V
	Maximum current	60	mA
Input	DC voltage Range	-7… 12	V
	Maximum current	60	mA
Protection	Short Circuit	Limited by RDM line driver	
	Over Current	Limited by RDM line driver	
	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

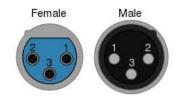| Overall dimensions	L = 115 x W = 80 mm Height = 38 mm

Installation
Use screwdriver type PH1 for mounting screws.

XLR Input/Output

Pin	1	Shield
	2	Cold (-)
	3	Hot (+)

Electrical connections

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.
- 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

Subject to change without notice.
Datasheet version 03 - 2013.10

www.Bits2Power.com

Page 2