



**VDL RENA ELECTRONICA**

**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

#### Controls

Address switches	Switches set the device's communication address
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#### Technical details

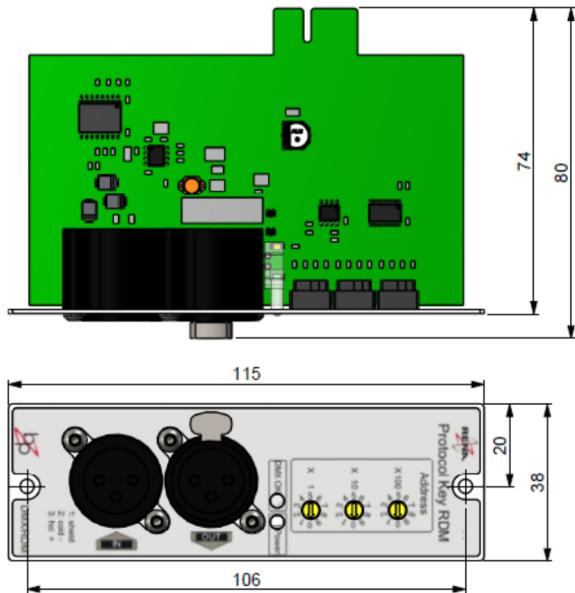
Output	DC voltage Range	-7... 12 V
	Maximum current	60 mA
Input	DC voltage Range	-7... 12 V
	Maximum current	60 mA
Protection	Short Circuit	Limited by RDM line driver
	Over Current	Limited by RDM line driver
	Over Voltage	Input protected by TVS diode
	Withstand Voltage	I/P-O/P: 0,5kV
Safety & EMC	Isolation 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

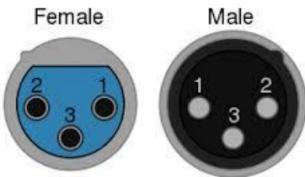


## Installation

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