

2AMCV610IAN

Current converter DC to CC 48V for Track A.A.G STUCCHI

Step Down Monochannel Voltage to Current Converter with Output Current PWM or Output Current DC.

Current programmable by Dip Switch.

Suitable for electrified tracks in extra low voltage A.A.G Stucchi.

Output PWM current with PWM voltage input, output constant current with constant voltage input.

Input Range: 45-53V DC not polarized.

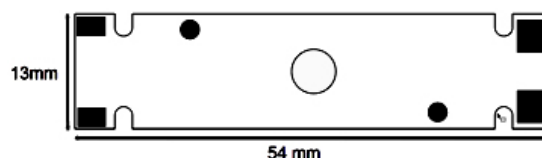
Current output from 0.35A to 1.05A (See current / power table).

Compatible with all IoT Light dimmers with voltage output or 3rd party PWM dimmers.



TECHNICAL NOTES

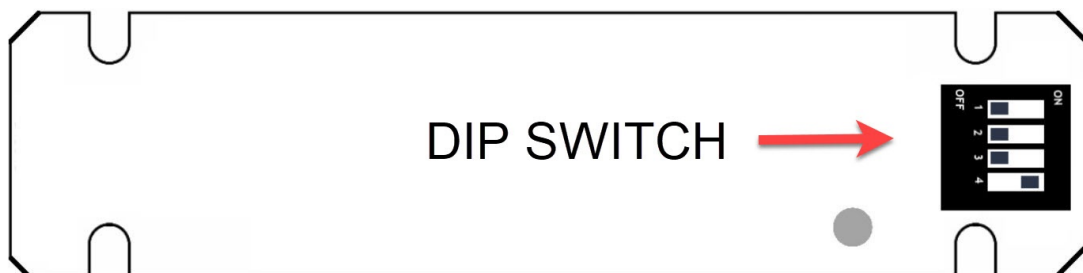
- Step Down Monochannel Voltage to Current Converter with Output Current PWM or Output Current DC.
- Current programmable by Dip Switch.
- Suitable for electrified tracks in extra low voltage A.A.G Stucchi.
- Output PWM current with PWM voltage input, output constant current with constant voltage input.
- Input Range: 45-53V DC not polarized.
- Current output from 0.35A to 1.05A (See current / power table).
- Compatible with all IoT Light dimmers with voltage output or 3rd party PWM dimmers.
- Efficiency: 0.93 ($V_{in}=48V_{dc}$, $V_{out}=36V_{dc}$, $I_{out}=700mA$).
- Maximum input voltage PWM frequency: 1800 Hz.
- Printed Circuit UL.
- Protection Class: IP20.
- Standard Dimension 13x54x7 mm.
- Reverse polarity protection.
- Open circuit protection.
- Surge voltage protection.
- Short circuit protection.
- Built-in EMC Filter compliant with EN55105.
- Under Voltage Lock Out at 41 VDC.
- Use only in dry conditions.
- Compatible with all IoT Light dimmers with voltage output and with third-party dimmers with PWM output (warning, some dimming conditions and mechanical coupling can lead to audible buzzing, this does not affect the electronic operation of the product).



CODE	INPUT VOLTAGE	(MAX) OUTPUT CURRENT	WIRING	INSULATING SHRINK	DIMENSION mm
2AMCV610IAN	45-53V DC	from 0.35A to 1.05A	NO	NO	13x54 h 7

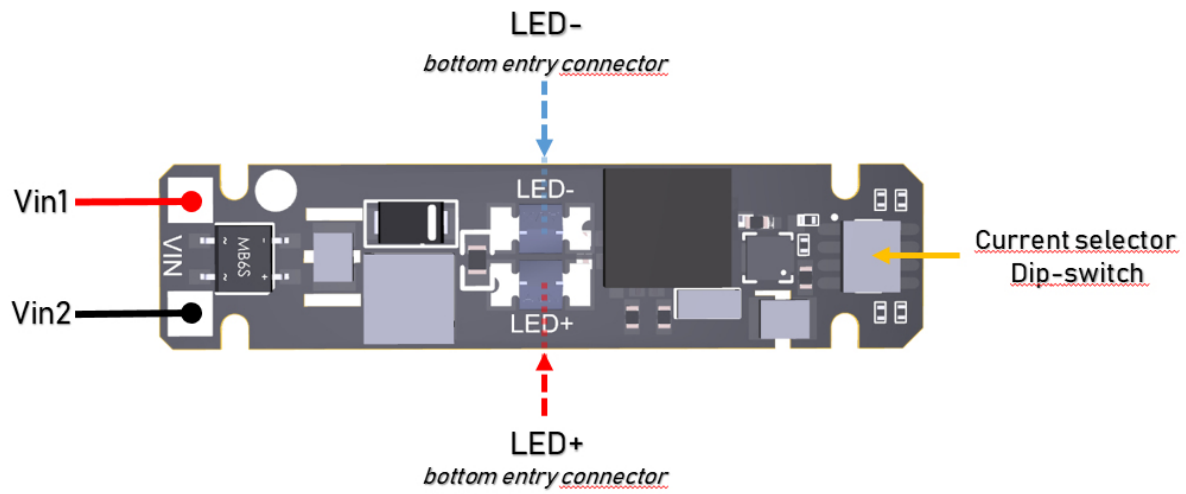
TABLE VOLTAGE OUTPUT / MAX POWER

I OUT(mA)	MIN VDC	MAX VDC	MAX POWER (W)
350	2.5	43	15.05
500	2.5	43	21.50
600	2.5	43	25.80
700	2.5	43	30.1
1050	2.5	10	10.5

TABLE SETUP OUTPUT CURRENT

DIP SWITCH 1	DIP SWITCH 2	DIP SWITCH 3	DIP SWITCH 4	I (mA)
ON	OFF	OFF	OFF	1050
OFF	ON	ON	ON	790
OFF	ON	ON	OFF	765
OFF	ON	OFF	ON	740
OFF	ON	OFF	OFF	700
OFF	OFF	ON	ON	600
OFF	OFF	ON	OFF	500
OFF	OFF	OFF	ON	350

WIRING DIAGRAM



Input	Description
VIn1	Non-polarized power input
VIn2	Non-polarized power input
LED+	Anode load LED connector with quick entry bottom entry
LED-	Catode load LED connector with quick entry bottom entry