# DMA2X3

6 Ways DMX Signal Splitter

- Two DMX512 signal input, repeat 2 x 3 DMX512 signal output,
  each allowing for 32 DMX devices to be connected.
- Dedicated to amplify, distribute and insulate the signal that comes from the lighting system
  equipment when it is connected to the bus of DMX512(or RS-485).
- Photo-electricity insulation between input and output terminals, output terminals among channels.
- Input isolated from outputs to 500VAC, 1000VDC.
- Outputs are isolated from each other to 500VAC, 1000VDC.
- Input and outputs are ture RS-485 rated, and no microprocessors are used for maximum reliability.
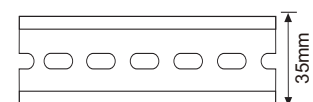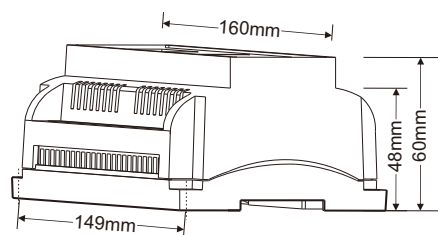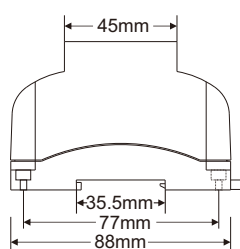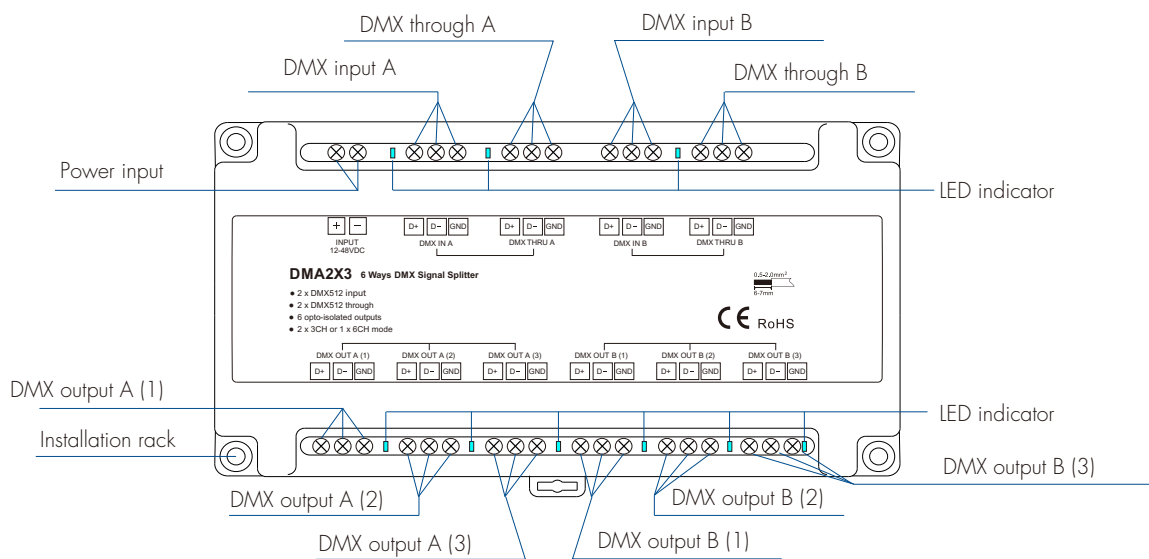- 9 LEDs indicate power in, DMX in and DMX output status.
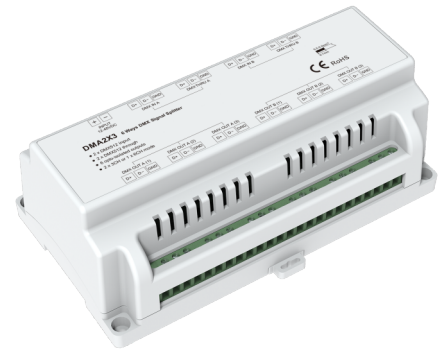
CE RoHS emc LVD

Technical Parameters

Input and Output		Environment		Safety and EMC	
Input voltage	12-48VDC	Operation temperature	Ta: -30℃ ~ +55℃	EMC standard (EMC)	EN IEC 55015:2019+A11:2020 EN 61547:2009 EN IEC 61000-3-2:2019+A11:2021 EN 61000-3-3:2013+A11:2019
Input current	0.15A Max	Case temperature (Max.)	Tc: +85 ℃		
Input signal	DMX512 x 2	IP rating	IP20		
Output signal	DMX512 x 6	**Package**			
Warranty and Protection		Size	L165 x W98 x H72mm	Safety standard(LVD)	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Warranty	5 years	Gross weight	0.271kg		
Protection	Reverse Polarity			Certification	CE,EMC,LVD

Mechanical Structures and Installations

Wiring Diagram

DMX 512 Mater

DMX

DMA2X3

DMX B (3)

Device 1   Device 2   Device 3   Device 4   Device 5   Device 32

Terminated

DMX B (2)

Device 1   Device 2   Device 3   Device 4   Device 5   Device 32

Terminated

DMX B (1)

Device 1   Device 2   Device 3   Device 4   Device 31   Device 32

Terminated

DMX A (3)

Device 1   Device 2   Device 3   Device 4   Device 5   Device 32

Terminated

DMX A (2)

Device 1   Device 2   Device 3   Device 4   Device 5   Device 32

Terminated

DMX A (1)

Device 1   Device 2   Device 3   Device 4   Device 31   Device 32

Terminated

Note:
1. A passive loop-through connection allows onward connection to other DMX512 devices.
   If this feature is not required then the signal must be terminated.
2. Each output is capable of driving 32 additional DMX512 devices.
   It is not necessary to terminate any outputs that are not connected.
   However, a terminator must be connected to the final DMX512 device.
3. Connect 0.25W 90-120Ω terminal resistor for termination.