

Type	DI	DO	AI	AO	Comm
C-DM-0006M ULED				6 × Voltage control (0 – 100%)	CIB

Basic features

- Module is actuator with 6 independent outputs (channels) for proportional control of LED strip lighting with common anode. They are controlled by voltage.
- Each channel is independently addressed and controlled in range 0 up to 100% of power supply voltage 12 V or 24 VDC.
- All LED strips must be for the same power supply voltage.
- Outputs have internal protection against short-circuit.
- Module can be turned to manual mode by the front button, so each channel can be switched on/off by the channel button.
- Status is indicated by LED on module.

- CIB bus is connected at removable screw terminals.
- Outputs are available at removable screw connectors.
- Power voltage 12 V or 24 V DC for LED strips is connected at screw terminals with large cross-section.
- During designing the wiring, load of each terminal has to be taken into account.
- Module is used for assembly on DIN rail in switchboard.

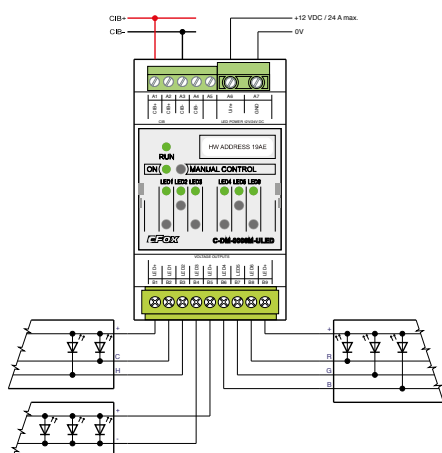
Use

- Control of up to 6 single-color LED strips with max. current 6 A per channel.
- Control of up to 2 RGB LED strips with up to 6 A per each color.
- Use for low power orientation lighting in buildings etc.
- May be used for decoration and effect lighting in interiors and exteriors.

Connection

- Modul has to be connected to 2-wire bus CIB which provides both communication and power supply.

Connection example



Outputs for continuous control of LED strips

No. and type of outputs	6 x, semiconductor, PWM voltage output (0 – 100%)
Load type	LED strip, RGB/monochrom
Power voltage for LED strips	12 V DC/24 V DC
Output current	max. 6 A/channel
Maximal total current	24 A
Max. length of LED strip (13 W/m)	10 m
Max. length of LED strip (6.5 W/m)	20 m
Max. length of LED strip (4.3 W/m)	30 m
Short-circuit protection on output	Yes
Galvanic isolation of output	No

Operating conditions

Operating temperature	0 .. +45 °C
Storage and transport temperature	–25 .. +85 °C
Electric strength	according EN 60730
IP Degree of protection(IEC 529)	IP10B
Overvoltage category	II
Degree of pollution IEC EN 60664-1:2008	1
Working position	vertical
Installation	on DIN rail
CIB connection	Screw terminals max. 2.5 mm ²
Power supply connection	Screw terminals max. 4 mm ²
LED strip connection	Screw connector, max. 2.5 mm ²

Dimensions and weight

Dimensions	53 × 90 × 58 mm
Weight	120 g

Power supply

External power supply for LED strip	12/24 V DC ± 10%
Max. load current of LED	24 A total, 6 A per channel
Power supply of module and communication	24 V (27 V) from CIB bus
Typ. /max. load current from CIB	max. 15 mA
Typical/Max. power from CIB	0.4 W
Internal protection	Yes, recovering fuse

Order number

TXN 133 45	C-DM-0006M ULED, 6 channel dimming module for LED strips 12 – 24 VDC, max. 4 A/channel
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