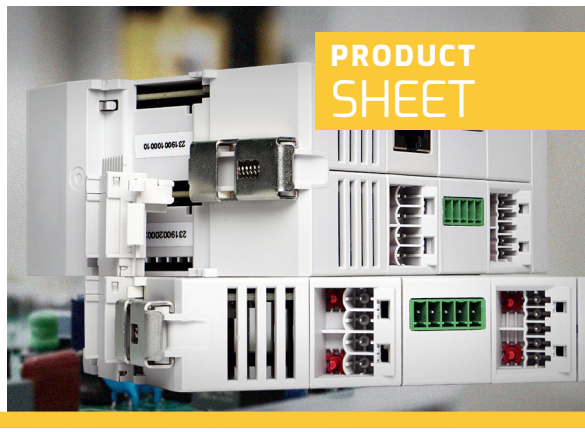
MULTICHANNEL LED CONTROLLER MCC DIN8
WITH POWER LED DRIVERS DIN1



PRODUCT SHEET

TO POWER AND CONTROL UP TO 8 LED LIGHTS

AiRob's MCC DIN8 multi-channel controller provides independent constant current control of up to eight LED lights in the range of 0.02 to 5A (for voltages of 3-20V DC) with a maximum output of 100W per channel.

Additional PLD modules can be added to the main MCC module to create a controller with up to 8 independently controlled current channels.

- Continuous and stroboscopic modes
- 1 to 8 output channels
- OLED display
- Ethernet
- DIN rail mounting
- Modular construction

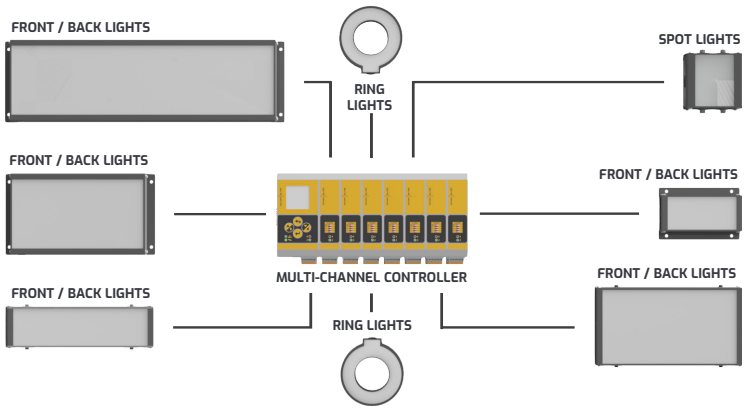
TECHNICAL PARAMETERS OF MCC DIN8 CONTROLLER

Electrical parameters
Output current - 0.02-5A, resolution 1mA
Output voltage - 3-20V
Temperature measurement: module, LED lamp: -25°C to +125°C
Power supply 24V±5%
Strobe mode (current up to 5A)

Basic functions

1. Keypad and display control
2. Control via Ethernet:
   - UDP and TCP/IP protocols
   - API - allows build your own application and connect it to e.g. a robot application
   - Web page - allows control and monitoring of the power supply

- Maximum number of PLD DIN 1 modules connected to MCC DIN8: 7
- Maximum number of channels: 8 independently controlled
- Output power per channel: 100W
- Weight MCC DIN8: 235 grams
- Weight PLD DIN1 module: 130 grams
- Mounting: DIN rail
- RoHs compatibility



Time parameters
Can be set for level or edge triggering
Min. time between trigger pulse and power supply response <100ns
Min. interval between trigger pulses >20us
Switch-on delay of the LED light relative to the triggering device +2us
LED light off delay relative to trigger +10us.
Max. trigger frequency in DC mode - 10kHz
Max. trigger frequency in STROBE mode - 50kHz

MAIN MODULE MCC DIN 8 – TECHNICAL CHARACTERISTICS

The MCC DIN 8 module includes:

- Keypad module with OLED screen - allows configuration, control and monitoring of power supply and LED light parameters
- Network module - for configuration, control and monitoring of the power supply and LED lamp parameters
- Global trigger input - allows all power supply or selected modules to be triggered with preset time parameters
- RTC module - setting date/time
- RS485 module - allows additional PLD DIN 1 modules to be connected and controlled
- Adjustable DC power supply module - current 0.02-5A, voltage range 3-20V
- Measuring module - LED lamp voltage, current and temperature monitoring, LED lamp disconnection detection, module temperature monitoring
- Local trigger - allows the module to be triggered with preset time parameters
- Local output - allows the setting of various events followed by a change in the module's output status (LED lamp and power supply unit temperature alarm)

MODULE PLD DIN 8 – TECHNICAL CHARACTERISTICS

The PLD DIN 1 module includes:

- RS485 module - enables control of PLD DIN1
- Adjustable DC power supply module - current 0.02-5A, voltage range 3-20V
- Measuring module - LED lamp voltage, current and temperature monitoring, LED lamp disconnection detection, module temperature monitoring
- Local trigger - allows the module to be triggered with preset time parameters
- Local output - allows the setting of various events that trigger a change in the module's output status (LED lamp and power supply unit temperature alarm)

DISTRIBUTION:
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