
LED Lighting Controller - DLC3005-R

Short description: LED lighting controller, digital, cont./flash current: 4.8A/18A, DIN rail mounting

Order number: 1-30-209



Characteristics

- digital lighting controller for high-performance LED lighting of all kinds
 - enormous power density - up to 400 W in flash mode
 - two digital PLC-compatible inputs and two outputs each
 - simple operation via web interface or rotary switch
 - compact, robust and space-saving design
 - simple direct mounting on a DIN rail
 - also suitable as a power source for LED lighting from other manufacturers
-

Technical data

Operating voltage	24 VDC (10 - 30 V)
Power consumption without lighting	40 mA
Lighting interface	
Output voltage	0 ... 22 VDC
Continuous operation:	
• Output current	50 mA ... 4.8 A
• Output power	max. 105 W
Flash mode:	
• Output current	1 A ... 18.4 A
• Output power	max. 406 W
• Flash time	$\geq 40 \mu\text{s}$
Further interfaces	
Trigger input	generates flash signals for connected lighting
Enable input	switches the connected lighting into continuous operation
Status output	displays the current operating state including error monitoring, status events are recorded internally
Trigger output	generates a trigger signal synchronously to the flash signal
Standards	
Signal standards	24V I/O industry standard NPN sensor signals PNP sensor signals Open collector signals
Trigger modes	low-active: NPN-switching High-active: PNP-switching (5V) or 24V I/O industry standard
Active trigger edge	high-low-flank
General Parameters	
Housing material	Aluminum housing, side covers made of plastic

Dimensions	74 mm x 55.8 mm x 27.9 mm
Weight	125 g
Degree of protection	IP 40
Safety class	Class III, safety extra low voltage (SELV)
Ambient Conditions	0 °C ... 40 °C

Accessories for Controller - DLC3005-R

Order number	Title	Description
LED Controller DLC3005		
1-30-222	Cable DLC3005 - 1.0 m	to connect the DLC3005 to a current source,PTSM0.5/2-P-2.5 to cable open end, 2x0,5mm ²
1-30-223	Cable DLC3005 - 2.0 m	to connect the DLC3005 to a current source,PTSM0.5/2-P-2.5 to cable open end, 2x0,5mm ²
1-30-207	USB cable Type-A/Micro-B - 1 m	to connect the DLC3005 to a PC, USB 2.0 Type-A plug to micro-B plug, length: 1.0m
1-30-206	DLC3005 Connector-Set	3 connectors for connecting operating voltage, I/O port and lighting (without cable)
1-30-208	Cable M8-4pol to PTSM - 0.15 m	to connect the lighting to DLC3005; M8-Socket, 4-pin to PTSM 0.5/4-P-2.5 length: 0.15m
1-30-211	Cable M8-4pol to PTSM - 1 m	to connect the lighting to DLC3005; M8-Socket, 4-pin to PTSM 0.5/4-P-2.5 length: 1 m
1-30-212	Cable M8-4pol to PTSM - 2 m	to connect the lighting to DLC3005; M8-Socket, 4-pin to PTSM 0.5/4-P-2.5 length: 2 m
1-30-213	Cable M8-4pol to PTSM - 3 m	to connect the lighting to DLC3005; M8-Socket, 4-pin to PTSM 0.5/4-P-2.5 length: 3 m

Drawings



Dimensional drawing in mm