
LED Lighting Controller - DLC3005

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

Order number: 1-30-202



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 assembly using mounting tabs
 - also suitable as a power source for LED lighting from other manufacturers
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Technical data

Operating voltage	24 VDC (10 - 30 V)
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Power consumption without lighting	40 mA
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Lighting interface

Output voltage	0 ... 22 VDC
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Continuous operation:

• Output current	50 mA ... 4.8 A
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• Output power	max. 105 W
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Flash mode:

• Output current	1 A ... 18.4 A
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• Output power	max. 406 W
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• Flash time	$\geq 40 \mu\text{s}$
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Further interfaces

Trigger input	generates flash signals for connected lighting
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Enable input	switches the connected lighting into continuous operation
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Status output	displays the current operating state including error monitoring, status events are recorded internally
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Trigger output	generates a trigger signal synchronously to the flash signal
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Standards

Signal standards	24V I/O industry standard NPN sensor signals PNP sensor signals Open collector signals
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Trigger modes	low-active: NPN-switching High-active: PNP-switching (5V) or 24V I/O industry standard
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Active trigger edge	high-low-flank
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General Parameters

Housing material	Aluminum housing, side covers made of plastic
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Dimensions	74 mm x 71 mm x 20.8 mm
Weight	105 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

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