

## LIGHTING MANAGEMENT SYSTEM



# IQCONTROLLER.300

## 3x DALI-2 bus controller

IQCONTROLLER.300 is a DALI-2 compliant universal controller for managing lighting infrastructure in buildings. It features three independent DALI buses, each with a 250mA power supply, allowing it to support up to 192 DALI LED sources and up to 192 DALI actuators. A built-in Ethernet port provides communication with other system devices.

technical parameters:

|                           |                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply voltage            | 9 ÷ 36 VDC                                                                                                                                                                                                                                                                       |
| Power consumption max.    | 15 Wat maximum load of three channels                                                                                                                                                                                                                                            |
| Data protocol             | DALI-2                                                                                                                                                                                                                                                                           |
| Number of DALI channels   | 3                                                                                                                                                                                                                                                                                |
| DALI channel parameters   | 15 VDC max. 250 mA per channel                                                                                                                                                                                                                                                   |
| Power supply terminals    | screw terminals, cable up to 2.5 mm <sup>2</sup>                                                                                                                                                                                                                                 |
| DALI connection terminals | screw terminals, cable from 0.5 to 2.5 mm <sup>2</sup>                                                                                                                                                                                                                           |
| Additional connectors     | Ethernet 1 × RJ45 10/100 Mbps                                                                                                                                                                                                                                                    |
| Assembly                  | DIN rail TH35, 5M                                                                                                                                                                                                                                                                |
| Enclosure dimensions      | 90 x 87.8 x 62 [mm]                                                                                                                                                                                                                                                              |
| Enclosure material        | self-extinguishing ABS + PC                                                                                                                                                                                                                                                      |
| Operating temperature     | from 0° to +50°C                                                                                                                                                                                                                                                                 |
| Storage temperature       | from -20° to +50°C                                                                                                                                                                                                                                                               |
| Relative humidity         | 5 ÷ 90%, non-condensing                                                                                                                                                                                                                                                          |
| Weight                    | 177 g                                                                                                                                                                                                                                                                            |
| IP rating                 | IP20                                                                                                                                                                                                                                                                             |
| Additional information    | <ul style="list-style-type: none"> <li>• each of the three channels can be controlled independently using the +/- buttons</li> <li>• 3 DALI channel indicator LEDs; 1 diagnostic LED</li> <li>• galvanic isolation, 1.5 mm<sup>2</sup> DALI cable length max. 300 RMT</li> </ul> |

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|---------------|
| Part Number   |
| C-DCU3D-1E-DW |

