



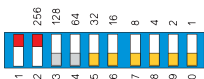
EAN code  
DCDA-33M: 8595188146807

| Technical parameters                 |   | DCDA-33M |
|--------------------------------------|---|----------|
| Power supply                         |   |          |
| Supply terminals:                    | Un+, GND  |          |
| Supply voltage:                      | 12 - 60 V   |          |
| Consumption:                         | min. 0.5 W, max. 165 W  |          |
| Supply voltage from BUS / tolerance: | 27V DC, -20 / +15 %   |          |
| Dissipated power:                    | 2 W   |          |
| Outputs                              |   |          |
| Dimming load:                        | LED chips controlled by variable streams or alternatively multiple LED chips connected in series* |          |
| Number of channels:                  | 3   |          |
| Rated current:                       | 350 mA - 2 A  |          |
| Output power:                        | 3x 50 W   |          |
| Output voltage:                      | 6.5 - 55 V  |          |
| Switching voltage:                   | Un  |          |
| Output indication                    | LED OUT1, OUT2, OUT3  |          |
| - light:                             | ON  |          |
| - short:                             | flashing  |          |
| - no light:                          | OFF   |          |
| Control                              |   |          |
| DALI:                                | 1200 bit/s, 250 mA  |          |
| BUS:                                 | compatible with iNELS3, consumption < 4 mA  |          |
| DMX:                                 | 250 kbit/s, 512 channels, control RGB(M) 3(4) channels  |          |
| Operating conditions                 |   |          |
| Relative humidity:                   | max. 80 %   |          |
| Operating temperature:               | -20°C to +55°C  |          |
| Storage temperature:                 | -30°C to +70°C  |          |
| Protection degree:                   | IP20 device, IP40 mounitg in the switchboard  |          |
| Overvoltage category:                | II.   |          |
| Pollution degree:                    | 2   |          |
| Operating position:                  | vertical  |          |
| Installation:                        | into switchboard on DIN rail EN60715  |          |
| Implementation:                      | 3-MODULE  |          |
| Dimensions and weight                |   |          |
| Dimensions:                          | 90 x 52 x 65 mm   |          |
| Weight:                              | 135g  |          |

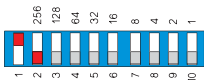
\* for more information, see our manual.

Setting the DIP switches

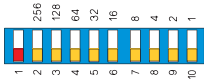
Setting the DALI communication interface - Switch 1 and 2.



Setting the BUS communication interface - Switch 1 and 2.



Setting the DMX communication interface - Switch 1.  
Setting address - Switch 2-10.



- DCDA-33M is a dimming unit designed to dim single-color and RGB LED light sources controlled by variable current.
- The actuator has three independent channels and each output channel is individually addressable and controllable.
- DCDA-33M actuator can be controlled from the BUS, DALI or DMX.
- When controlling the unit from the BUSes and DMX, also the fourth virtual channel can be supported to control overall brightness (BUS – set in iDM3, DMX – set by long press of the PRG button).
- DCDA-33M can directly control from the system iNELS where the communication interface is the installation BUS.
- If for controlling, a communication interface DALI or DMX is used, it is possible to use the master unit EMDC-64M.
- The supply voltage of the dimming unit must be at least 4V higher than the expected output voltage on the load.
- Setting the communication interface and addresses of actuators is performed using DIP switches:
  - a) switch No. 1
    - In the upper position determines DALI or BUS
    - In the lower position determines DMX
  - b) switch No. 2 (if that switch 1 is in the upper position)
    - In the upper position determines DALI
    - In the lower position determines BUS
- Using the control buttons on the front panel, you can manually control the output.
- The input circuits of communication interfaces are optically isolated from the supply voltage connected lamp unit, and is therefore resistant to electromagnetic interference.
- DCDA-33M in 3-module is designed for panel mounting on DIN rail EN60715.

Connection

