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3 channels DALI LED dimmer 16 A DL-3CH-R16A-DC12+

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

3 channels DALI LED dimmer for DIN-EN 60715 TH35 rail mounting. 98 x 17,5 x 56 mm. Protection class IP20. Only 0.12 watt standby loss.

Designed to control **constant voltage** LED modules (CV) at operating voltages of 12 V to 48 V.

Operating mode DT6: separate control of channels via 3 DALI addresses.

Operating mode Colour&Dim:
activated by 2 DALI addresses, one to adjust brightness and one to set the colour.

SwitchDim2:
operation via 2 pushbutton inputs permits control of brightness and colour without DALI.

Dimming range 0.1%-100%.

Switchable PWM frequency (122 Hz/
244 Hz/488 Hz/976 Hz).

Power supply from 12 V to 48 V DC (depending on operating voltage of LED modules).

Connected current 16 A.

The maximum connected current can be distributed to any channel.

High efficiency.

Configuration via DALI Cockpit PC software and DALI USB interface.

Operating modes:

The device has several operating modes:

DT6 (as-delivered state): In this operating mode each channel is controlled by a separate DALI address (Device Type 6).

Alternatively, operation can also take place by two pushbutton inputs (SwitchDim2):

SwD1:

brightness.

Press pushbutton briefly: On/Off.

Press pushbutton long: Dim.

SwD2:

Scene switch (press pushbutton briefly).

Colour&Dim:

This operating mode is used to control RGB luminaries. Control is by means of 2 DALI addresses; one address affects brightness and the other affects channel distribution (e.g.: colour).

Colour&Dim mode is used to adjust colour temperature without affecting brightness and vice versa. Adjustment is by means of DALI standard commands such as Dim Up/Down. This permits all customary controls and gateways (e.g. KNX). This control option is an alternative to DT8-RGBWAF mode.

Operable via DALI or SwitchDim2:

DALI address 1, SwD1: brightness.

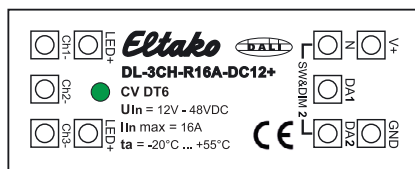
DALI address 2, SwD2: Colour.

Technical data

Max. connected current	16 A
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Screw terminals:

Max. connection cross-section	2.5 mm ²
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The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste.

Must be kept for later use!

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19/2021 Subject to change without notice.