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## DT7 switching actuator DL-RM16A-HS-WE

**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%.

### Module to control a relay contact over the DALI bus (DT7) for DIN top-hat rails DIN-EN 60715 TH35. 98x17,5x56 mm. Protection class IP20. DALI current consumption 2.7mA.

Compact relay module for direct control of 230V loads over DALI. Loads without DALI input are easily integrated in a DALI circuit. Loads can be switched on/off by DALI commands. The device function complies with the standard for DALI Device Type 7 - switching function (as of Firmware 2.0). Adjustable characteristic for power-up and bus power failure.

The DALI RM16 is powered over the DALI bus. No additional power supply is required.

Zero passage switch-on. Integrated power-on current limit, particularly suitable for loads with very high power-on current (>100 A). The interface represents a bus user and is therefore addressable.

Configuration via DALI Cockpit PC software.

### DALI functions and command set:

The DALI RM16 can integrate loads on the DALI bus and can then switch them on/off.

The DALI RM16 is a control device for non-dimmable loads based on the DALI specifications in IEC 62386-208 (Device Type 7). Accordingly, the switch characteristic is determined by comparing the virtual dim level (VDAP) with 4 switching thresholds.

The virtual dim level (VDAP) corresponds to the dim level of a DALI electronic ballast with

its corresponding characteristics (limited by MINLEVEL and MAXLEVEL, dimming speed limited by fade time and fade rate).

There are 2 switching thresholds in each dimming direction and they are used for comparison with the virtual dim level. Only the applicable switching threshold for the current virtual dimming direction is evaluated.

A threshold with the value 'MASK' is inactive and is not used in the comparison.

Switch-on/off delays can be implemented with fading.

The DALI RM16 is powered from the DALI bus.

The relay response to a bus power failure can be configured by the SystemFailureLevel (no change, ON or OFF, factory setting: ON).

The power-on response after applying bus power can be set with PowerOnLevel.

### Technical data

Max. connected current	16 A
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Screw terminals:

Max conductor

cross-section	2,5 mm <sup>2</sup>
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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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