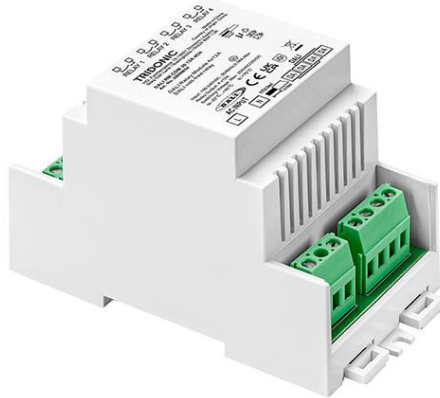


**DALI RM CDM 30 12A 4CH**

DALI-2 4 channel relay



**Product description**

- \_ DALI-2 Relay
- \_ Compatible with DALI and DALI-2 versions
- \_ Compliant with EN 62386-208
- \_ 4 channel actuator (switch) with DALI-2 input
- \_ Protected against DALI overvoltage
- \_ Suitable for switchboard mount on standard DIN rail
- \_ Mains rated dry-contact (volt-free) potential free relay output
- \_ Compliant DALI device type 7
- \_ Small dimensions
- \_ 5 years guarantee (conditions at <https://www.tridonic.com/en/int/services/manufacturer-guarantee-conditions>)

**Interfaces**

- \_ DALI

**Functions**

- \_ Optimized for electronic loads with high inrush currents like LED drivers, which have short but very high peaks of in-rush currents
- \_ With zero-crossing switching for extended relay lifetime
- \_ Compliant with common DALI-2 controllers and gateways
- \_ DALI backwards compatible

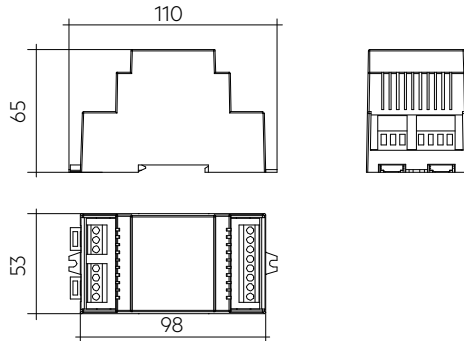
**Website**

<http://www.tridonic.com/28006054>



**DALI RM CDM 30 12A 4CH**

DALI-2 4 channel relay

**Ordering data**

Type	Article number	Packaging, carton	Weight per pc.
DALI RM CDM 30 12A 4CH	28006054	46 pc(s).	0.2 kg

**Technical data**

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. power consumption on stand-by	< 0.5 W
Max. rated current	80 mA
Current consumption of DALI	3 mA
Input	DALI
Output	Potential free contact
Relay type	non-latching, normally open
Relay switching AC	250 V / 12 A
Relay switching cycles <sup>①</sup>	100,000
Ambient temperature $t_a$	-25 ... +45 °C
$t_c$	75 °C
Storage temperature $t_s$	-40 ... +85 °C
Humidity	10 ... 85 % not condensed
Starting time	≤ 0.6 s
Type of protection	IP20
Protection class	Protection class II
Mounting	DIN rail mounting, 35 mm
Housing material	Polycarbonate
Housing colour	RAL 9016 (white)
Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> )	5 Year(s)
Dimensions L x W x H	110 x 53 x 65 mm

**Approval marks****Standards**

EN 60669-2-1, EN 61000-3-2, EN 61000-3-3, EN 60669-1, EN 62386-101, EN 62386-102, EN 62386-208

① One cycle means close and open.

### 1. Standards

EN 60669-2-1  
EN 61000-3-2  
EN 61000-3-3  
EN 60669-1  
EN 62386-101  
EN 62386-102  
EN 62386-208

#### 1.2 Glow wire test

according to EN 61347-2-11 passed for temperatures up to 650°C.

### 2. Common

- Loads that do not have a DALI input can be integrated in the DALI circuit. The loads can be switched on and off via DALI.

### 3. Installation

#### 3.1 Safety instructions

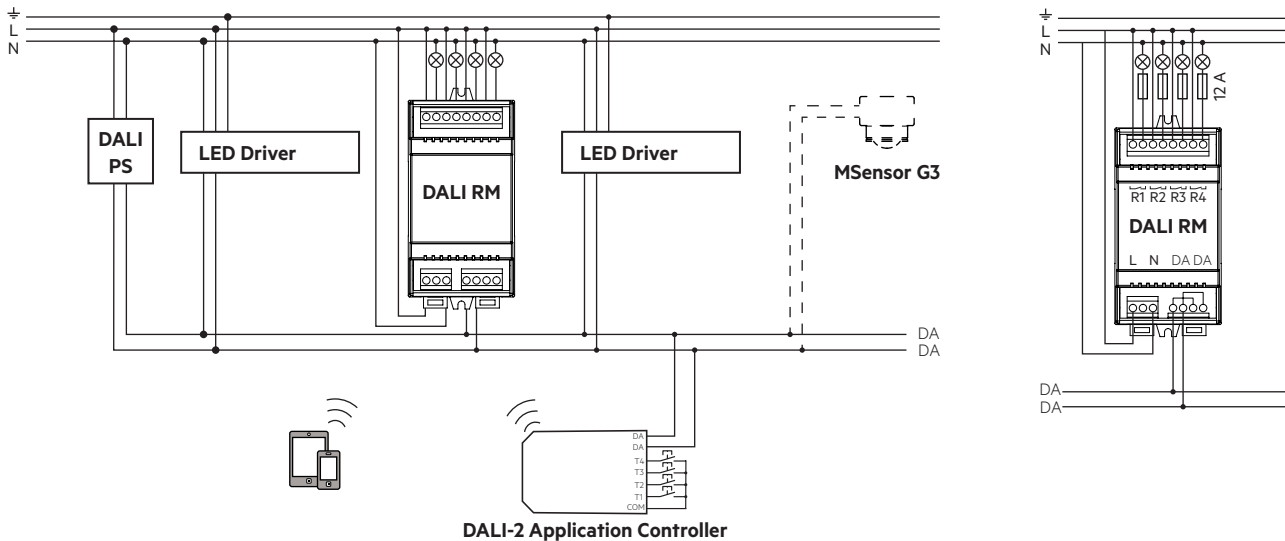
- Do not create a short circuit on the secondary side, as this will damage the device.  
It is recommended to connect the device with a residual current circuit breaker (RCD) or a circuit breaker with a rated value not higher than 12 A to the secondary side to protect the device in case of a short circuit.
- Installation of this device may only be carried out by specialist staff who have provided proof of their skills.
- The power supply must be switched off before handling the device.
- The relevant safety and accident prevention regulations must be observed.
- DALI signals are not SELV. Therefore the same procedures should be applied as working with mains voltage.

#### 3.2 Area of application

The device may only:

- be used for the applications specified,
- for safe installation in dry, clean environment and
- be installed in such a way that access is only possible using a tool.

3.3 Connection diagrams



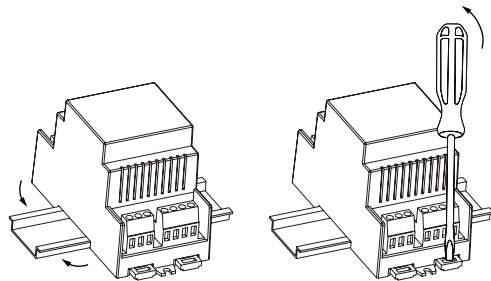
3.4 Installation

Mount the DALI relay on DIN rail inside a mains rated enclosure as shown in fig. 1.

To remove from DIN rail, release the clip mechanism with a flat blade screw driver, as per fig. 2.

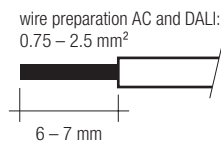
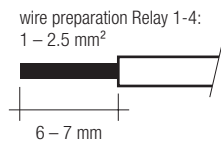
Fig. 1

Fig. 2



3.5 Wiring type and cross section

The wiring can be solid wire or stranded wire with end sleeve.



3.6 Note for Application Controller

Device is developed according DALI Standard EN 62386-208 and is DALI device Type 7, control gear – Switching function.

4. Miscellaneous

4.1 Disposal of equipment



Return old devices in accordance with the WEEE directive to suitable recycling facilities.

4.2 Conditions of storage and use

Humidity: 10 % up to max. 85 %, not condensed

Storage temperature: -40 °C up to max. +85 °C

The devices have to be acclimatised to the specified temperature range (ta) before they can be operated.