



# ISOLED KNOWLEDGE

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## DALI

3-Phase Rail system  
SWITCH  
AND/OR DIM

**ISOLED**<sup>®</sup>

CUSTOMISED LIGHT SOLUTIONS



## 3-PHASE RAIL SYSTEM VIA DALI SWITCHING AND/OR DIMMING

### Task

In many modern installations, lighting is controlled via DALI (Digital Addressable Lighting Interface).

In order to also control 3-phase track spotlights, a special 3-phase track can be used which, in addition to the conductors L1, L2, L3 + N + PE, has two additional contact tracks for the DALI control signal (D+, D-).

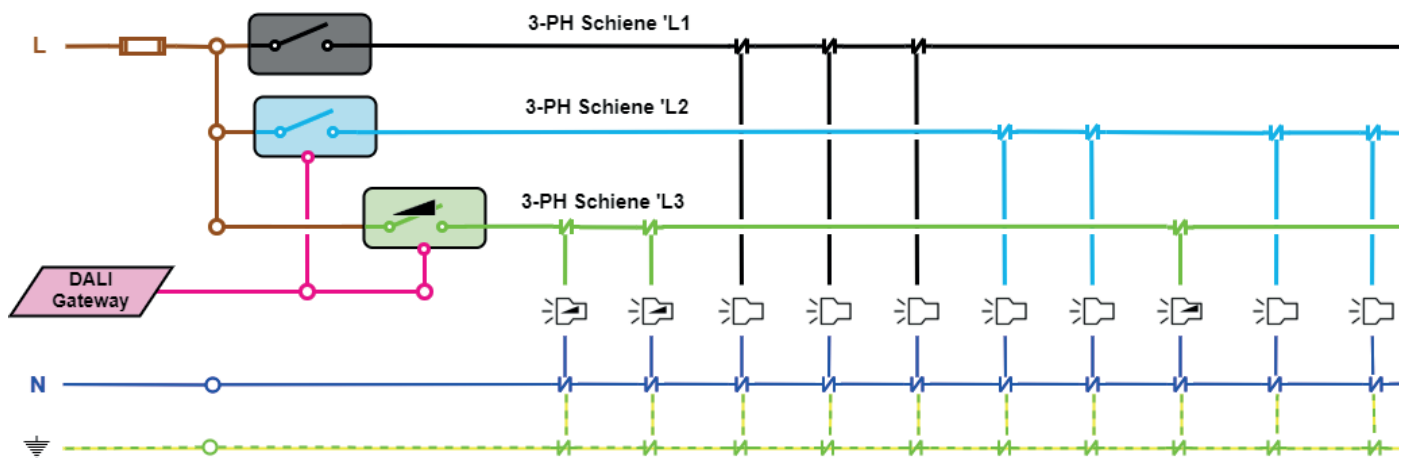
This then requires 3-phase track spotlights with a corresponding DALI control signal interface on their control gear. Both the special rail and the spotlights with DALI interface are considerably more expensive!

### Solution

In practice, it is almost never necessary to be able to control each individual track spotlight via an individual, separate DALI address. It is usually sufficient if several spotlights of individual areas, such as those in the shop window, the basic lighting or those spotlights which are directed at shelves, for example, can be switched or dimmed together under one DALI address.

- » Simplified setup
- » Fewer DALI addresses
- » Less cost

### Example installation scheme with ISOLED products



or



or



» simple switch on/off or motion detector e.g. ISOLED Art. 113799 max. 800W

» DALI Switch On/Off e.g. ISOLED Art. 112646 max. 1.000W

» DALI TRIAC dimmer e.g. ISOLED Art. 113091 max. 300W for dimmable 3-PH spotlight