



DATA SHEET
auxiliary switches
DHi 4
for displaying the operating status
 Article number 09917985



Function

Auxiliary switches report the status of the main devices to which they are fitted. Auxiliary switches DHi 3 to DHi 8 can be retro-fitted to miniature circuit-breakers from series DLS 6 h, hsl or i. The auxiliary switch activates in parallel to the DLS 6 miniature circuit-breaker when switched off by hand or because of overload or short-circuit. Other indicators (buzzers, indicator light, etc.) can be used to display the operating status of a miniature circuit-breaker.

Features

auxiliary switch function for DLS 6, different contact designs available, compact design (0.5 module width units), complies with IEC 60947-5-1, EN 60947-5-1 and VDE 0660-200

Mounting

mounting by clamping to the right of the basic device , quick fastening to mounting rail, any installation position

Applications

These devices are suitable for querying the operating status of power supplies to residential and purpose-built buildings as well as to industrial facilities.

Notes

The auxiliary switch does not affect the function of the basic device.

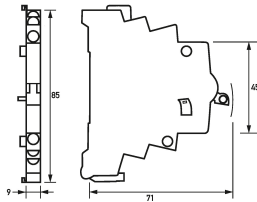
Technical Data

| Technical Data | DHi 4 |
|-------------------------------------|---|
| Series | DHi 4 |
| suitable for model range | DLS 6 |
| Mounting side | right |
| Number of (n.o, n.c.,change-over) | 1 1 0 |
| | load circuit |
| Specification | switching contact |
| Rated voltage (AC) | 230 V |
| Rated current (AC) | max. 10 A |
| Rated power | min. 0.1 VA |
| Allowed utilization category | AC-15, DC-13 |
| max. Rated current AC-15 110 V | 16 A |
| max. Rated current AC-15 240 V | 10 A |
| max. Rated current DC-13 125 V | 3 A |
| max. Rated current DC-13 250 V | 1 A |
| | screw-type terminal top and bottom (load circuit) |
| Allowed types of wires | solid conductor, flexible conductor, stranded conductors with ferrule |
| Cross section solid | 1-wire: 0.5 mm ² ... 2.5 mm ² |
| Connecting capacity flexible | 1-wire: 0.5 mm ² ... 1.5 mm ² |
| Cross section flexible with ferrule | 0.5 mm ² ... 1.5 mm ² |
| | General data |

Subject to technical changes

| Technical Data | DHi 4 |
|-------------------------------|--|
| Duty cycle | continuous operation (Duty cycle ≤ 100 %, at Ue) |
| Operating position | optional |
| Housing type | distribution board housing |
| Installation type | Mounting rail (35 mm), Device extension |
| Protection class | IP20 (installed: IP40) |
| Width | 8.8 mm |
| Height | 87 mm |
| Depth | 68.3 mm |
| Installation depth | 72.8 mm |
| Module widths | 0.5 |
| Weight | 0.049 kg |
| Design requirements/Standards | EN 60947-5-1, VDE 0660-200 |

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram