



DATA SHEET
auxiliary switches
DHi 2 (schwarzer Knebel)
can be used as auxiliary switches/error signal switches
 Article number 09913996



Function

Auxiliary switches report the status of the main devices to which they are fitted. The devices in the DHi 2 series are auxiliary switches or error signal switches for residual current circuit-breakers in the DFS series, whereby the DHi 2 is suitable for RCCB with black toggle. They make it possible to indicate the operating status of a residual current circuit-breaker by using additional output devices (e.g. buzzers or indicator lights) or a control system. The function is set via a control element on the DHi. They signal the switch-on and switch-off of the RCCB in "auxiliary switch" operating mode; only tripping is signalled in "error signal switch" operating mode.

Features

Auxiliary switch or error signal switch function, retro-fittable on residual current circuit-breakers in the DFS series, compact design

Mounting

mounting by clamping to the left 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.

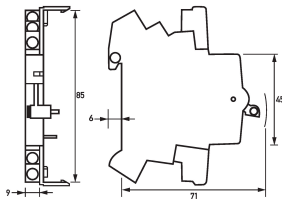
Technical Data

| Technical Data | DHi 2 (schwarzer Knebel) |
|------------------------------------|---|
| Series | DHi 2 |
| suitable for model range | DFS 2, DFS 4 |
| Mounting side | left |
| Number of (n.o, n.c.,change-over) | 0 1 1 |
| | Display (switch position) |
| Number | 1 |
| Type | operating lever (black) |
| | load circuit |
| Specification | switching contact |
| Rated voltage (AC) | 230 V |
| Rated voltage (DC) | 110 V |
| Rated current (AC) | max. 6 A |
| Rated current (DC) | max. 1 A |
| Current heat loss per current path | 0.54 W |
| Short-circuit backup-fuse SCPD | 6 A |
| Back-up fuse type | gL |
| | screw-type terminal top and bottom (load circuit) |
| Allowed types of wires | solid conductor, flexible conductor, stranded conductors with ferrule |

Subject to technical changes

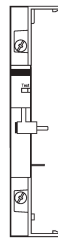
| Technical Data | DHi 2 (schwarzer Knebel) |
|---|---|
| Connection C1 Maximum number of conductors per terminal | 2 |
| Cross section solid | 1-wire: 1 mm ² ... 1.5 mm ² |
| Tightening torque | max. 0.8 Nm |
| General data | |
| Duty cycle | continuous operation (Duty cycle ≤ 100 %, at U _e) |
| Operating position | optional |
| Housing type | distribution board housing |
| Installation type | Mounting rail (35 mm), Device extension |
| Protection class | IP20 (installed: IP40) |
| Width | 9 mm |
| Height | 85 mm |
| Depth | 75 mm |
| Installation depth | 68 mm |
| Module widths | 0.5 |
| Weight | 0.052 kg |
| Design requirements/Standards | EN 60947-5-1 |

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram