

## Product data sheet

### HDB3WL1C6

#### Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 1P - 4.5 kA - 6 A



#### Main

|                           |                           |
|---------------------------|---------------------------|
| Range of product          | HDB3w                     |
| Product or component type | Miniature circuit-breaker |
| Device application        | Isolation<br>Control      |
| Poles description         | 1P                        |
| [In] rated current        | 6 A                       |

#### Complementary

|  |   |
|--|---|
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz                               |
| Breaking capacity                      | 4.5 kA  |
| Dielectric test voltage                | 2.0 kV 50/60 Hz 1 min                           |
| [Uimp] rated impulse withstand voltage | 4.0 kV  |
| Magnetic tripping limit                | 5...10 x In                                     |
| Curve code                             | C   |
| [Ui] rated insulation voltage          | 250.0 V between phase and ground                |
| Suitability for isolation              | Yes   |
| Mounting support                       | 35 mm DIN rail                                  |
| Protection type                        | Overload protection<br>Short-circuit protection |
| Cable entry                            | Top<br>Bottom                                   |
| Mechanical durability                  | 25000 cycles                                    |
| Electrical durability                  | 6000 cycles                                     |
| IP degree of protection                | IP20  |
| Overvoltage category                   | II  |
| Provision for padlocking               | Handle padlockable in on and off position       |
| Connections - terminals                | Forked type tag connectors                      |
| Clamping connection capacity           | = 25 mm <sup>2</sup>                            |
| Tightening torque                      | 3 N.m   |
| Height                                 | 80 mm   |
| Width                                  | 17.7 mm   |
| Depth                                  | 78.5 mm   |
| Embedding depth                        | 61 mm   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Trip unit technology                  | Thermal-magnetic                        |
| Shock resistance                      | 30 gn (duration = 11.0 ms) for 3 shocks |
| Operating altitude                    | 0...2000 m                              |
| Ambient air temperature for operation | -20...60 °C                             |
| Ambient air temperature for storage   | -40...70 °C                             |
| Product certifications                | CE<br>CB<br>TÜV                         |
| Pollution degree                      | 2                                       |
| Standards                             | EN/IEC 60898-1                          |