



## Product data sheet

## HDB3WN1B40

### Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - B - 1P - 6 kA - 40 A



#### Main

|                           |                           |
|---------------------------|---------------------------|
| Range of product          | HDB3w                     |
| Product or component type | Miniature circuit-breaker |
| Device application        | Isolation<br>Control      |
| Poles description         | 1P                        |
| [In] rated current        | 40 A                      |

#### Complementary

|  |   |
|--|---|
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz                                 |
| Breaking capacity                      | 6.0 kA  |
| Dielectric test voltage                | 2.0 kV 50/60 Hz 1 min                             |
| [Uimp] rated impulse withstand voltage | 4.0 kV  |
| Magnetic tripping limit                | 3...5 x In  |
| Curve code                             | B   |
| [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   |
| E-commerce address                     | Hdb3w-mcb-without-indicator-6ka-breaking-capacity |

**Environment**

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

**Offer Sustainability**

|                       |    |
|-----------------------|----|
| Sustainable packaging | No |
|-----------------------|----|