Nov 01, 2026

# Product data sheet

# HDB3WN2C40

## Characteristics

**Miniature circuit breaker HDB3W - 18 mm AC - C - 2P - 6 kA - 40 A**




### Main

| | |
|---|---|
| Range of product | HDB3w |
| Product or component type | Miniature circuit-breaker |
| Device application | Isolation<br>Control |
| Poles description | 2P |
| [In] rated current | 40 A |

### Complementary

| | |
|---|---|
| [Ue] rated operational voltage | 415 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 | 5...10 x In |
| Curve code | C |
| [Ui] rated insulation voltage | 250.0 V between phase and ground<br>500.0 V between phases |
| 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 mm² |
| Tightening torque | 3 N.m |
| Height | 80 mm |
| Width | 35.4 mm |
| Depth | 78.5 mm |
| Embedding depth | 61 mm |
| E-commerce address | Hdb3w-mcb-without-indicator-6ka-breaking-capacity-c-type-d-type |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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## 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 |