



Product data sheet

HDB3WPNC40

Characteristics

Miniature circuit breaker HDB3WP - Phase neutral - 4.5 kA - 1P+N - C - 40 A

|                                                                                    |                           |                           |
|------------------------------------------------------------------------------------|---------------------------|---------------------------|
|  | Main                      |                           |
|                                                                                    | Range of product          | HDB3wP                    |
|                                                                                    | Product or component type | Miniature circuit-breaker |
|                                                                                    | Device application        | Isolation<br>Control      |
|                                                                                    | Trip unit technology      | Thermal-magnetic          |
|                                                                                    | Suitability for isolation | Yes                       |
|                                                                                    | Mechanical durability     | 15000.0 cycles            |
|                                                                                    | Electrical durability     | 10000.0 cycles            |
|                                                                                    |                           |                           |

Complementary

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Poles description                      | 1P + N                                          |
| [In] rated current                     | 40 A                                            |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz                               |
| Curve code                             | C                                               |
| Magnetic tripping limit                | 5...10 x In                                     |
| Breaking capacity                      | 4.5 kA                                          |
| [Ui] rated insulation voltage          | 250.0 V between phase and ground                |
| [Uimp] rated impulse withstand voltage | 4.0 kV                                          |
| Cable entry                            | Top<br>Bottom                                   |
| Mounting support                       | 35 mm DIN rail                                  |
| Protection type                        | Overload protection<br>Short-circuit protection |
| Connections - terminals                | Forked type tag connectors                      |
| Clamping connection capacity           | = 16 mm²                                        |
| Tightening torque                      | 2 N.m                                           |

Environment

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| Dielectric test voltage               | 2.0 kV 50/60 Hz 1 min                   |
| Shock resistance                      | 30 gn (duration = 11.0 ms) for 3 shocks |
| Standards                             | EN/IEC 60898-1                          |
| IP degree of protection               | IP20                                    |
| Pollution degree                      | 2                                       |
| Ambient air temperature for operation | -20...60 °C                             |
| Ambient air temperature for storage   | -40...70 °C                             |

Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |