




Product data sheet

HDB3WHL3C20

Characteristics

Miniature circuit breaker HDB3WH - 18 mm AC - C - 3P - 4.5 kA - 20 A

|  |                           |                           |
|--|---------------------------|---------------------------|
|  | Main                      |                           |
|  | Range of product          | HDB3wH                    |
|  | Product or component type | Miniature circuit-breaker |
|  | Device application        | Isolation<br>Control      |
|  | Trip unit technology      | Thermal-magnetic          |
|  | Suitability for isolation | Yes                       |
|  | Mechanical durability     | 20000.0 cycles            |
|  | Electrical durability     | 7000.0 cycles             |
|  |                           |                           |

Complementary

|  |  |
|--|--|
| Poles description                      | 3P   |
| [In] rated current                     | 20 A   |
| [Ue] rated operational voltage         | 415 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<br>500.0 V between phases |
| [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            |
| Overvoltage category                   | II   |
| Connections - terminals                | Forked type tag connectors                                 |
| Clamping connection capacity           | = 25 mm²   |
| Tightening torque                      | 2.5 N.m  |
| Height                                 | 80 mm  |
| Width                                  | 53.099999999999994 mm                                      |
| Depth                                  | 78.5 mm  |
| Embedding depth                        | 69.0 mm  |

Environment

|                         |   |
|-------------------------|---|
| Dielectric test voltage | 2.0 kV 50/60 Hz 1 min                   |
| Shock resistance        | 30 gn (duration = 11.0 ms) for 3 shocks |

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|                                       |                |
|---------------------------------------|----------------|
| 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    |
| <b>Offer Sustainability</b>           |                |
| Sustainable packaging                 | No             |