

## 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 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 mm <sup>2</sup>                                       |
| Tightening torque                      | 2.5 N.m  |
| Height                                 | 80 mm  |
| Width                                  | 53.09999999999994 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 |

|                                       |             |
|---------------------------------------|-------------|
| IP degree of protection               | IP20        |
| Pollution degree                      | 2           |
| Ambient air temperature for operation | -20...60 °C |
| Ambient air temperature for storage   | -40...70 °C |

**Offer Sustainability**

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