



Product data sheet

HDB3WZ2C6

Characteristics

Miniature circuit breaker, HDB3wZ, 2P, 6 kA, C curve, 6 A, 500 V DC

|                                                                                    |                           |                           |
|------------------------------------------------------------------------------------|---------------------------|---------------------------|
|  | Main                      |                           |
|                                                                                    | Range of product          | HDB3wZ                    |
|                                                                                    | Product or component type | Miniature circuit-breaker |
|                                                                                    | Device application        | Control<br>Insulation     |
|                                                                                    | Poles description         | 2P                        |

Complementary

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| [In] rated current                     | 6 A                                             |
| [Ue] rated operational voltage         | 500 V DC                                        |
| Curve code                             | C                                               |
| Magnetic tripping limit                | 6.8...10.2 x In                                 |
| Breaking capacity                      | 6 kA                                            |
| [Uimp] rated impulse withstand voltage | 6 kV                                            |
| Mounting support                       | DIN rail                                        |
| Protection type                        | Short-circuit protection<br>Overload protection |
| Mechanical durability                  | 20000 cycles                                    |
| Electrical durability                  | 3000 cycles                                     |
| Connections - terminals                | U terminals                                     |
| Clamping connection capacity           | 25 mm²                                          |
| Tightening torque                      | 2.5 N.m                                         |
| Location of connection                 | Top or bottom                                   |

Environment

|                                       |             |
|---------------------------------------|-------------|
| Standards                             | IEC 60947-2 |
| Product certifications                | CE<br>CB    |
| IP degree of protection               | IP20        |
| Pollution degree                      | 2           |
| Ambient air temperature for operation | -25...60 °C |
| Ambient air temperature for storage   | -40...70 °C |
| Operating altitude                    | 2000 m      |

Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |
| <b>Offer Sustainability</b>  |     |
| Sustainable packaging        | No  |