



Product data sheet

HDB3WPLEY63D10

Characteristics

Residual current breaker with overcurrent protection (RCBO), HDB3wPLEY-63, 1P+N, D curve, 10 A, 30 mA without indicator



Main

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Range of product          | HDB3wPLEY                                                   |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Mechanical durability     | 10000 cycles                                                |
| Electrical durability     | 4000 cycles                                                 |
| Suitability for isolation | Yes                                                         |
| Trip unit technology      | Thermal-magnetic                                            |
| Device application        | Isolation<br>Control                                        |

Complementary

|                                        |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Poles description                      | 1P + N                                                                      |
| [In] rated current                     | 10 A                                                                        |
| Overvoltage protection                 | Without                                                                     |
| Reset                                  | Manual reset earth leakage<br>Manual reset overcurrent                      |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz                                                           |
| Local signalling                       | Without light indicator                                                     |
| Residual current                       | 30 mA                                                                       |
| Enclosure type                         | No enclosure                                                                |
| [Uimp] rated impulse withstand voltage | 4 kV                                                                        |
| Curve code                             | D                                                                           |
| Breaking capacity                      | 4.5 kA                                                                      |
| [Ui] rated insulation voltage          | 250 V between phase and ground<br>500 V between phases                      |
| Protection type                        | Short-circuit protection<br>Overload protection<br>Earth-leakage protection |
| Mounting support                       | 35 mm DIN rail                                                              |
| Connections - terminals                | Tunnel type terminals                                                       |
| Clamping connection capacity           | 25 mm²                                                                      |
| Tightening torque                      | 2 N.m                                                                       |
| Location of connection                 | Top                                                                         |
| Operating altitude                     | 2000 m                                                                      |
| Height                                 | 80 mm                                                                       |
| Width                                  | 35.4 mm                                                                     |
| Depth                                  | 69 mm                                                                       |

Environment

|                                       |                                                                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Dielectric test voltage               | 2 kV 50/60 Hz 1 min                                                                                                                    |
| IP degree of protection               | IP40 distribution box<br>IP20 direct mounting                                                                                          |
| Shock resistance                      | 30 gn (duration = 11 ms) for 3 shocks conforming to EN/IEC 60068-2-6                                                                   |
| Environmental characteristic          | High temperature: category 2 28 cycles conforming to IEC 60068-2<br>Humidity resistant: category 2 28 cycles conforming to IEC 60068-2 |
| Relative humidity                     | 90...96 % at 55 °C<br>95...100 % at 25 °C                                                                                              |
| Pollution degree                      | 2                                                                                                                                      |
| Electrical shock protection class     | Class II                                                                                                                               |
| Ambient air temperature for operation | -20...60 °C                                                                                                                            |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                            |
| Standards                             | IEC 61009-1                                                                                                                            |
| Product certifications                | TÜV<br>CE<br>CB                                                                                                                        |

Offer Sustainability

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