

Product data sheet

HDB3WLE1252D80Y

Characteristics

Residual Current Operated Circuit Breaker HDB3wLE-125 - 2P - D - 80A - 100mA



Main

Range of product	HDB3wLE-125
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Mechanical durability	8500 cycles
Electrical durability	3000 cycles
Suitability for isolation	Yes
Trip unit technology	Thermal-magnetic
Device application	Isolation Control

Complementary

Poles description	2P
[In] rated current	80.0 A
Reset	Manual reset earth leakage Manual reset overcurrent
[Ue] rated operational voltage	230 V AC 50...60 Hz
Residual current	100.0 mA
[Uimp] rated impulse withstand voltage	4.0 kV
Curve code	D
Magnetic tripping limit	12 x In
Breaking capacity	10.0 kA
[Ui] rated insulation voltage	250 V between phase and neutral 500 V between phases
Protection type	Short-circuit protection Overload protection Earth-leakage protection Residual current breaker with overcurrent protection (RCBO)
Cable entry	Top
Mounting support	35 mm DIN rail
Clamping connection capacity	= 50 mm ²
Tightening torque	3.5 N.m
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Height	86.4 mm
Width	81.0 mm
Depth	78 mm

Environment

Environmental characteristic

High temperature: category 2 28 cycles conforming to IEC 60068-2
Humidity resistant: category 2 28 cycles conforming to IEC 60068-2

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

Standards

IEC 61009-1

Product certifications

CE
