

Product data sheet

HDB3WLE1252D80T

Characteristics

Residual Current Operated Circuit Breaker HDB3wLE-125 - 2P - D - 80A - 300mA



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		300.0 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

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