



Product data sheet

HDB3WPLEC20

Characteristics

Residual Current Operated Circuit Breaker HDB3wPLE - 4.5kA - 1P+N - C - 20A



Main

Range of product	HDB3wPLE
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 Control

Complementary

Poles description	1P + N
[In] rated current	20 A
Reset	Manual reset earth leakage Manual reset overcurrent
[Ue] rated operational voltage	240 V AC 50...60 Hz
Input overvoltage protection	280 V +/- 5 % AC
Residual current	30.0 mA
[Uimp] rated impulse withstand voltage	4.0 kV
Curve code	C
Magnetic tripping limit	5...10 x In
Breaking capacity	4.5 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	= 16 mm²
Tightening torque	2 N.m
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Height	79.2 mm
Width	35.3 mm
Depth	74.5 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
Electrical shock protection class	Class II
Ambient air temperature for operation	-20...60 °C
Standards	IEC 61009-1
Product certifications	CE TÜV CB