

Product data sheet

HDB3WHLEN1D6

Characteristics

Residual Current Operated Circuit Breaker HDB3wHLE - 6kA - 1P+N - D - 6A



Main

Range of product	HDB3wHLE
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Mechanical durability	4000 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	6.0 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
[Uimp] rated impulse withstand voltage	4.0 kV
Curve code	D
Magnetic tripping limit	10...14 x In
Breaking capacity	6.0 kA
[Ui] rated insulation voltage	250 V between phase and neutral
Protection type	Short-circuit protection Overload protection Earth-leakage protection Residual current breaker with overcurrent protection (RCBO)
Mounting support	35 mm DIN rail
Clamping connection capacity	= 16 mm ²
Tightening torque	2 N.m
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Height	94 mm
Width	44.5 mm
Depth	74.5 mm
E-commerce address	Residual-current-breaker-with-overcurrent-protection-hdb3whle-6ka-1p-n

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
Ambient air temperature for storage	-40...70 °C
Standards	IEC 61009-1
Product certifications	CE