Nov 01, 2026

Product data sheet

HDB3WHN1C20

Characteristics

Miniature circuit breaker HDB3WH - 18 mm AC - C - 1P - 6 kA - 20 A

Main



Range of product	HDB3wH
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Trip unit technology	Thermal-magnetic
Suitability for isolation	Yes
Mechanical durability	20000.0 cycles
Electrical durability	7000.0 cycles

Complementary

Poles description	1P
[In] rated current	20 A
[Ue] rated operational voltage	240 V AC 50/60 Hz
Curve code	C
Magnetic tripping limit	5...10 x In
Breaking capacity	6.0 kA
[Ui] rated insulation voltage	250.0 V between phase and ground
[Uimp] rated impulse withstand voltage	4.0 kV
Cable entry	Top Bottom
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Overvoltage category	II
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm^2
Tightening torque	2.5 N.m
Height	80 mm
Width	17.7 mm
Depth	78.5 mm
Embedding depth	69.0 mm
E-commerce address	Hdb3wh-mcb-with-indicator-6ka-breaking-capacity-c-type

Environment

Dielectric test voltage	2.0 kV 50/60 Hz 1 min
Shock resistance	30 gn (duration = 11.0 ms) for 3 shocks

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Standards	EN/IEC 60898-1
IP degree of protection	IP20
Pollution degree	2
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25 cm
Package 1 Width	24.5 cm
Package 1 Length	35.5 cm
Package 1 Weight	13.9 kg

Offer Sustainability

Sustainable packaging	No