Nov 10, 2026

Product data sheet

HDB3W125N4C80

Characteristics

Miniature circuit breaker, HDB3w-125, 27 mm, AC, 6 kA, 4P, C curve, 80 A

Main



Range of product	HDB3w-125
Product or component type	Miniature circuit-breaker
Device application	Isolation
Trip unit technology	Thermal-magnetic
Suitability for isolation	Yes
Mechanical durability	8500.0 cycles
Electrical durability	1500.0 cycles

Complementary

Poles description	4P
[In] rated current	80 A
[Ue] rated operational voltage	400 V AC 50/60 Hz
Curve code	C
Magnetic tripping limit	8.5 x In
Breaking capacity	6 kA
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
[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
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 50 mm²
Tightening torque	3.5 N.m
Height	86.4 mm
Width	108.0 mm
Depth	77.5 mm
Embedding depth	44.0 mm
E-commerce address	Hdb3w-125-mcb-27mm-up-to-125a-6ka-breaking-capacity

Environment

Dielectric test voltage	2.0 kV 50/60 Hz 1 min
Shock resistance	30 gn (duration = 11.0 ms) for 3 shocks
Standards	IEC 60947-2

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IP degree of protection	IP20
Pollution degree	2
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-40…70 °C

Offer Sustainability

Sustainable packaging	No