



Product data sheet

HDB3W125H3C80

Characteristics

Miniature circuit breaker, HDB3w-125, 27 mm, AC, 10 kA, 3P, 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	3P
[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	10 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	81.0 mm
Depth	77.5 mm
Embedding depth	44.0 mm
E-commerce address	Hdb3w-125-mcb-27mm-up-to-125a-10ka-breaking-capacity-1

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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Himel nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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