Nov 23, 2026

Product data sheet

HDB3WN4C2550D

Characteristics

Miniature circuit breaker HDB3W - 18 mm AC - C - 4P - 6 kA - 25 A - 50degree



Main

Range of product	HDB3w
Product or component type	Miniature circuit-breaker
Device application	Isolation Control
Poles description	4P
[In] rated current	25 A

Complementary

[Ue] rated operational voltage	415 V AC 50/60 Hz
Breaking capacity	6.0 kA
Dielectric test voltage	2.0 kV 50/60 Hz 1 min
[Uimp] rated impulse withstand voltage	4.0 kV
Magnetic tripping limit	5...10 x In
Curve code	C
[Ui] rated insulation voltage	250.0 V between phase and ground 500.0 V between phases
Suitability for isolation	Yes
Mounting support	35 mm DIN rail
Protection type	Overload protection Short-circuit protection
Cable entry	Top Bottom
Mechanical durability	25000 cycles
Electrical durability	6000 cycles
IP degree of protection	IP20
Overvoltage category	II
Provision for padlocking	Handle padlockable in on and off position
Connections - terminals	Forked type tag connectors
Clamping connection capacity	= 25 mm²
Tightening torque	3 N.m
Height	80 mm
Width	70.8 mm
Depth	78.5 mm
Embedding depth	61 mm

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Environment

Shock resistance	30 gn (duration = 11.0 ms) for 3 shocks
Ambient air temperature for operation	-20…60 °C
Trip unit technology	Thermal-magnetic
Ambient air temperature for storage	-40…70 °C
Operating altitude	0...2000 m
Product certifications	CE CB TÜV
Pollution degree	2
Standards	EN/IEC 60898-1

Offer Sustainability

Sustainable packaging	No