



HDA078Z

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 80A 18kA CTC

Technical characteristics

Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	106.90 A
Rated current 15°C according to IEC 60947	103.90 A
Rated current 20°C according to IEC 60947	100.90 A
Rated current 25°C according to IEC 60947	97.70 A
Rated current 30°C according to IEC 60947	94.40 A
Rated current at 35°C according to IEC 60947	91 A
Rated current at 40°C according to IEC 60947	87.50 A
Rated current 45°C according to IEC 60947	83.80 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	75.90 A
Rated current at 60°C according to IEC 60947	71.60 A
Rated current 65°C according to IEC 60947	67.10 A
Rated current 70°C according to IEC 60947	62.20 A

Architecture

Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Tripping

Response time when opening	10 ms
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Frequency

Frequency	50 - 60 Hz
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Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	690 V

Functions

Trip unit	TM F/F
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Power	
Total power loss under IN	4.80 W
Endurance	
Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	4 - 70 mm ²
Cross-section rigid conductor	4 - 95 mm ²
Installation, mounting	
Mounting-/Connection Position	Front
Connectivity	
Type of connection	Screw terminal
Settings	
Thermal protection knob setting xIN	1, 1
Dimensions	
Height	130 mm
Width	25 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	Yes
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms