



HDA081Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 80A 18kA CTC

Technical characteristics

Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity I_{cs} under 400 V AC according to IEC 60947-2	18 kA

Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in

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 U_{imp}	8,000 V
Rated insulation voltage U_i	690 V

Functions

Trip unit	TM F/F
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Power

Total power loss under I_N	18.90 W
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Endurance

Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000

Safety

Ingress Protection (IP) class	IP4X
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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	100 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	Yes
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms