Product Datasheet
HHA050Z

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Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 50A 25kA CTC

Technical Features

Electric current	
Rated current IN	50 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	35 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	20 kA
Rated current at 10°C according to IEC 60947	60.40 A
Rated current at 15°C according to IEC 60947	59.20 A
Rated current at 20°C according to IEC 60947	58 A
Rated current at 25°C according to IEC 60947	56.70 A
Rated current at 30°C according to IEC 60947	55.40 A
Rated current at 35°C according to IEC 60947	54.10 A
Rated current at 40°C according to IEC 60947	52.80 A
Rated current at 45°C according to IEC 60947	51.40 A
Rated current at 50°C according to IEC 60947	50 A
Rated current at 55°C according to IEC 60947	48.50 A
Rated current at 60°C according to IEC 60947	47 A
Rated current at 65°C according to IEC 60947	45.40 A
Rated current at 70°C according to IEC 60947	43.80 A
Architecture	
Number of poles	3
Neutral position	Without neutral
Tripping	
Response time when opening	10 ms
Frequency	
Frequency	50 - 60 Hz
Voltage	
Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	690 V
Rated operational voltage Ue	220 - 415 V
Functions	
Trip unit	TM F/F
Power	
Power dissipation at IN	17.30 W
Endurance	
Electric endurance in number of cycles	10000
Number of mechanical operations	20000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	4 - 70 mm^2
Cross-section rigid conductor	4 - 95 mm^2
Connectivity	
Type of connection	Screw terminal
Settings	
Thermal protection knob setting xIN	1 1

Dimensions	
Height	130 mm
Width	75 mm
Depth	68 mm

Compatibility	
Suitable for DIN Rail	No

Main electrical attributes	
Magnetic protection trip time	0 - 0 ms

Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes