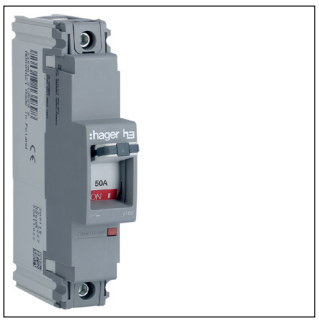
Product Datasheet
HHA048Z



HHA048Z

Moulded Case Circuit Breaker X160 1P 25kA 50A

Technical Features

Electric current	
Rated current	50 A
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	61 A
Rated current 15°C according to IEC 60947	59.80 A
Rated current 20°C according to IEC 60947	58.50 A
Rated current 25°C according to IEC 60947	57.10 A
Rated current 30°C according to IEC 60947	55.80 A
Rated current at 35°C according to IEC 60947	54.40 A
Rated current at 40°C according to IEC 60947	52.90 A
Rated current 45°C according to IEC 60947	51.50 A
Rated current 50°C according to IEC 60947	50 A
Rated current 55°C according to IEC 60947	48.40 A
Rated current at 60°C according to IEC 60947	46.80 A
Rated current 65°C according to IEC 60947	45.10 A
Rated current 70°C according to IEC 60947	43.40 A
Architecture	
Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
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 - 240 V
Functions	
Trip unit	TM F/F
Power	
Total power loss under IN	5 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
Installation, mounting	
Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front
Connectivity	
Type of connection	Screw terminal

Settings	
Thermal protection knob setting xIN	1 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

Compatibility	
Suitable for DIN Rail	No

Main electrical attributes	
Magnetic protection trip time	0 - 0 ms