



HNA080Z

Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 80A 40kA CTC

Technical Features	
Electric current	
Rated current	80 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity lcs under 230 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity lcs under 400 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	101.90 A
Rated current 15°C according to IEC 60947	99.40 A
Rated current 20°C according to IEC 60947	96.90 A
Rated current 25°C according to IEC 60947	94.30 A
Rated current 30°C according to IEC 60947	91.60 A
Rated current at 35°C according to IEC 60947	88.80 A
Rated current at 40°C according to IEC 60947	86 A
Rated current 45°C according to IEC 60947	83 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	76.80 A
Rated current at 60°C according to IEC 60947	73.40 A
Rated current 65°C according to IEC 60947	70 A
Rated current 70°C according to IEC 60947	66.30 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
Functions	
Trip unit	TM F/F
Power	
Total power loss under IN	18.90 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 mm²
Cross-section rigid conductor	4 - 95 mm²
Connectivity	
Type of connection	Screw terminal
Settings	

Thermal protection knob setting xIN

Product Datasheet HNA080Z



Dimensions Height 130 mm Width 75 mm Depth 68 mm Compatibility Suitable for DIN Rail No Main electrical attributes 0 - 0 ms Magnetic protection trip time Sustainability REACh-SVHC free Yes RoHS conform Yes