



HNA081M

Moulded Case Circuit Breaker h3 x160 MAG 4P4D 80A 40kA CTC

Technical Features

Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	20 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}	8000 V
Rated insulation voltage U _i	690 V

Functions

Trip unit	MAG (ICB)
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Power

Total power loss under I _N	15.30 W
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Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

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

Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front

Connectivity

Type of connection	Screw terminal
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Dimensions

Height	130 mm
Width	100 mm
Depth	68 mm

Compatibility

Suitable for DIN Rail	Yes
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Installation, mounting

Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm

Main electrical attributes

Magnetic protection trip time	0 - 0 ms
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Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes