



HNK800U

Moulded Case Circuit Breaker h800 3P 50kA 800A TM

Technical Features

Electric current

Rated current	800 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	85 kA

Architecture

Number of poles	3
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	800 V

Functions

Trip unit	TM A/A
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Power

Total power loss under I _N	172.80 W
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Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

Safety

Ingress Protection (IP) class	IP4X
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Connection

Cross-section flexible conductor	2x 240 mm ²
Cross-section rigid conductor	2x 240 mm ²

Installation, mounting

Nominal tightening torque	65 - 65 Nm
Mounting-/Connection Position	Front

Connection

Connector/plug type	Terminal
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Settings

Thermal protection knob setting xI _N	0.4 0.5 0.63 0.9 0.95 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

Compatibility

Suitable for DIN Rail	No
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Main electrical attributes

Magnetic protection trip time	100 - 200 ms
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