

Product Datasheet

HDS038EC



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Moulded Case Circuit Breaker h3+ P160 TM FIX 1P1D 40A 18kA CTC

Technical Features

Electric current

Rated current	40 A
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	50.10 A
Rated current 15°C according to IEC 60947	49 A
Rated current 20°C according to IEC 60947	47.80 A
Rated current 25°C according to IEC 60947	46.60 A
Rated current 30°C according to IEC 60947	45.30 A
Rated current at 35°C according to IEC 60947	44 A
Rated current at 40°C according to IEC 60947	42.70 A
Rated current 45°C according to IEC 60947	41.40 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	38.50 A
Rated current at 60°C according to IEC 60947	37 A
Rated current 65°C according to IEC 60947	35.40 A
Rated current 70°C according to IEC 60947	33.70 A

Architecture

Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

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 F/F
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Power

Total power loss under I _N	3.70 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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Installation, mounting

Mounting-/Connection Position	Front
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Connectivity

Type of connection	Screw terminal
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Cover, door

Interlockable	No
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Settings

Thermal protection knob setting xI _N	1
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Dimensions		
Height		130 mm
Width		30 mm
Depth		68 mm
Compatibility		
Compatible with RDC AOB		No
Suitable for DIN Rail		No
Sustainability		
REACH-SVHC free		Yes