

# Product Datasheet

## HHA018E



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### Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 20A 25kA CTC

#### Technical Features

##### Electric current

Rated current	20 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	20 kA
Rated current 10°C according to IEC 60947	25.40 A
Rated current 15°C according to IEC 60947	24.80 A
Rated current 20°C according to IEC 60947	24.20 A
Rated current 25°C according to IEC 60947	23.50 A
Rated current 30°C according to IEC 60947	22.80 A
Rated current at 35°C according to IEC 60947	22.20 A
Rated current at 40°C according to IEC 60947	21.40 A
Rated current 45°C according to IEC 60947	20.70 A
Rated current 50°C according to IEC 60947	20 A
Rated current 55°C according to IEC 60947	19.20 A
Rated current at 60°C according to IEC 60947	18.30 A
Rated current 65°C according to IEC 60947	17.50 A
Rated current 70°C according to IEC 60947	16.60 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 <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	690 V

##### Functions

Trip unit	TM F/F
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##### Power

Total power loss under I <sub>N</sub>	3.39 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	6 - 70 mm <sup>2</sup>
Cross-section rigid conductor	6 - 95 mm <sup>2</sup>

##### Installation, mounting

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

##### Connectivity

Type of connection	Screw terminal
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##### Settings

Thermal protection knob setting xI <sub>N</sub>	1
	1
Adjustment range short-term delayed short-circuit release	0 - 0 A

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<b>Cable</b>	
Cable material	Copper
<b>Dimensions</b>	
Height	130 mm
Width	25 mm
Depth	68 mm
<b>Compatibility</b>	
Suitable for DIN Rail	No
<b>Installation, mounting</b>	
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm
<b>Sustainability</b>	
REACH-SVHC free	Yes