



HDA030E

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 32A 18kA CTC**

**Technical characteristics**

**Electric current**

Rated current	32 A
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	43.80 A
Rated current 15°C according to IEC 60947	42.50 A
Rated current 20°C according to IEC 60947	41.20 A
Rated current 25°C according to IEC 60947	39.80 A
Rated current 30°C according to IEC 60947	38.40 A
Rated current at 35°C according to IEC 60947	36.90 A
Rated current at 40°C according to IEC 60947	35.30 A
Rated current 45°C according to IEC 60947	33.70 A
Rated current 50°C according to IEC 60947	32 A
Rated current 55°C according to IEC 60947	30.10 A
Rated current at 60°C according to IEC 60947	28.20 A
Rated current 65°C according to IEC 60947	26.10 A
Rated current 70°C according to IEC 60947	23.90 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 Uimp	8,000 V
Rated insulation voltage Ui	690 V

**Functions**

Trip unit	TM F/F
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**Power**

Total power loss under IN	2.81 W
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<b>Endurance</b>	
Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Connection</b>	
Cross-section flexible conductor	6 - 70 mm²
Cross-section rigid conductor	6 - 95 mm²
<b>Installation, mounting</b>	
Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front
<b>Connectivity</b>	
Type of connection	Screw terminal
<b>Settings</b>	
Thermal protection knob setting xIN	1, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A
<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>Main electrical attributes</b>	
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm