



HDA014E

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 16A 18kA CTC**

**Technical characteristics**

**Electric current**

Rated current	16 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	22 A
Rated current 15°C according to IEC 60947	21.30 A
Rated current 20°C according to IEC 60947	20.60 A
Rated current 25°C according to IEC 60947	19.90 A
Rated current 30°C according to IEC 60947	19.20 A
Rated current at 35°C according to IEC 60947	18.40 A
Rated current at 40°C according to IEC 60947	17.60 A
Rated current 45°C according to IEC 60947	16.80 A
Rated current 50°C according to IEC 60947	16 A
Rated current 55°C according to IEC 60947	15 A
Rated current at 60°C according to IEC 60947	14.10 A
Rated current 65°C according to IEC 60947	13 A
Rated current 70°C according to IEC 60947	11.90 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	1.89 W
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**Endurance**

Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000

**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>

**Connectivity**

Type of connection	Screw terminal
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**Settings**

Thermal protection knob setting xIN	1, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

**Cable**

Cable material	Copper
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**Dimensions**

Height	130 mm
Width	25 mm
Depth	68 mm

**Compatibility**

Suitable for DIN Rail	No
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**Installation, mounting**

Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm