



HDA023E

**Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 25A 18kA CTC**

**Technical characteristics**

**Electric current**

Rated current	25 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	18 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	18 kA

**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>	8,000 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>	4.62 W
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**Endurance**

Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000

**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>

**Installation, mounting**

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

**Connectivity**

Type of connection

Screw terminal

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### Settings

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

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### Cable

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Cable material	Copper
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### Dimensions

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Height	130 mm
Width	25 mm
Depth	68 mm

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### Compatibility

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Suitable for DIN Rail	No
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### Main electrical attributes

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Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm