



HDA021Z

## Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 20A 18kA CTC

### Technical characteristics

#### Electric current

Rated current	20 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	25 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	18 kA
Rated current 10°C according to IEC 60947	24.90 A
Rated current 15°C according to IEC 60947	24.40 A
Rated current 20°C according to IEC 60947	23.80 A
Rated current 25°C according to IEC 60947	23.20 A
Rated current 30°C according to IEC 60947	22.60 A
Rated current at 35°C according to IEC 60947	22 A
Rated current at 40°C according to IEC 60947	21.30 A
Rated current 45°C according to IEC 60947	20.60 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	18.50 A
Rated current 65°C according to IEC 60947	17.70 A
Rated current 70°C according to IEC 60947	16.90 A

#### Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in

#### Tripping

Response time when opening	10 ms
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#### Frequency

Frequency	50 - 60 Hz
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#### Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	690 V

<b>Functions</b>	
Trip unit	TM F/F
<b>Power</b>	
Total power loss under IN	8.70 W
<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	4 - 70 mm <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>
<b>Installation, mounting</b>	
Mounting-/Connection Position	Front
<b>Connectivity</b>	
Type of connection	Screw terminal
<b>Settings</b>	
Thermal protection knob setting xIN	1, 1
<b>Dimensions</b>	
Height	130 mm
Width	100 mm
Depth	68 mm
<b>Compatibility</b>	
Suitable for DIN Rail	Yes
<b>Main electrical attributes</b>	
Magnetic protection trip time	0 - 0 ms