



HDA161L

### Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 160A 18kA CTC

#### Technical Features

##### Electric current

Rated current	160 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 0°C according to IEC 60947	187.20 A
Rated current 10°C according to IEC 60947	187.20 A
Rated current 15°C according to IEC 60947	184 A
Rated current 20°C according to IEC 60947	180.70 A
Rated current 25°C according to IEC 60947	177.40 A
Rated current 30°C according to IEC 60947	174.10 A
Rated current at 35°C according to IEC 60947	170.70 A
Rated current at 40°C according to IEC 60947	167.20 A
Rated current 45°C according to IEC 60947	163.60 A
Rated current 50°C according to IEC 60947	160 A
Rated current 55°C according to IEC 60947	156.20 A
Rated current at 60°C according to IEC 60947	152.40 A
Rated current 65°C according to IEC 60947	148.50 A
Rated current 70°C according to IEC 60947	144.40 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	8000 V
Rated insulation voltage Ui	690 V

##### Functions

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

Total power loss under IN	43.80 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	4 - 70 mm <sup>2</sup>
Cross-section rigid conductor	4 - 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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Product Datasheet

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<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>Installation, mounting</b>	
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm
<b>Main electrical attributes</b>	
Magnetic protection trip time	0 - 0 ms
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes