



HDA018E

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 20A 18kA CTC

Technical characteristics

Electric current

Rated current	20 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	25.40 A
Rated current 15°C according to IEC 60947	24.80 A
Rated current 20°C according to IEC 60947	24.20 A
Rated current 25°C according to IEC 60947	23.50 A
Rated current 30°C according to IEC 60947	22.80 A
Rated current at 35°C according to IEC 60947	22.20 A
Rated current at 40°C according to IEC 60947	21.40 A
Rated current 45°C according to IEC 60947	20.70 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	18.30 A
Rated current 65°C according to IEC 60947	17.50 A
Rated current 70°C according to IEC 60947	16.60 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
-----------	------------

Voltage

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

Functions

Trip unit	TM F/F
-----------	--------

Power

Total power loss under IN	3.39 W
---------------------------	--------

Endurance	
Electric endurance in number of cycles	1,000
Number of mechanical operations	4,000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	6 - 70 mm ²
Cross-section rigid conductor	6 - 95 mm ²
Installation, mounting	
Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front
Connectivity	
Type of connection	Screw terminal
Settings	
Thermal protection knob setting xIN	1, 1
Adjustment range short-term delayed short-circuit release	0 - 0 A
Cable	
Cable material	Copper
Dimensions	
Height	130 mm
Width	25 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	No
Main electrical attributes	
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm