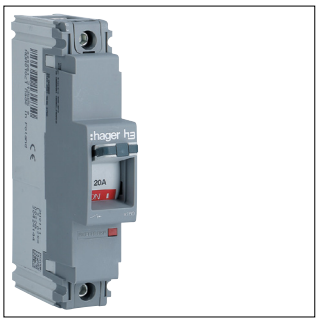
Product Datasheet
HDA018Z



HDA018Z

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

Technical Features

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
Neutral position	Without neutral
Tripping	
Response time when opening	10 ms
Frequency	
Frequency	50 - 60 Hz
Voltage	
Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	690 V
Functions	
Trip unit	TM F/F
Power	
Total power loss under IN	2,70 W
Endurance	
Electric endurance in number of cycles	10000
Number of mechanical operations	20000
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
Connectivity	
Type of connection	Screw terminal
Settings	
Thermal protection knob setting xIN	1 1

Cable	
Cable material	Copper
Dimensions	
Height	130 mm
Width	25 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	No
Installation, mounting	
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm
Main electrical attributes	
Magnetic protection trip time	0 - 0 ms
Sustainability	
REACh-SVHC free	Yes