HDA023Z

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 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	29.60 A
Rated current 15°C according to IEC 60947	29 A
Rated current 20°C according to IEC 60947	28.50 A
Rated current 25°C according to IEC 60947	27.90 A
Rated current 30°C according to IEC 60947	27.40 A
Rated current at 35°C according to IEC 60947	26.80 A
Rated current at 40°C according to IEC 60947	26.20 A
Rated current 45°C according to IEC 60947	25.60 A
Rated current 50°C according to IEC 60947	25 A
Rated current 55°C according to IEC 60947	24.30 A
Rated current at 60°C according to IEC 60947	23.70 A
Rated current 65°C according to IEC 60947	23 A
Rated current 70°C according to IEC 60947	22.30 A

Architecture

Number of poles	1
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Tripping

Response time when opening	10 ms

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	4.30 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 mm²
Cross-section rigid conductor	6 - 95 mm²

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

Cable

Cable material	Copper

Dimensions

Height	130 mm
Width	25 mm
Depth	68 mm

Compatibility

Suitable for DIN Rail	Yes

Main electrical attributes

Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm
Magnetic protection trip time	0 - 0 ms