HDA101Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 100A 18kA CTC

Technical properties

Architecture

Type of order	Toggle
Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D
Type of case	Fixed built-in

Functions

Complete device with protection unit	Yes
Trip Unit	TM F/F
With integrated earth leakage fault protection	No

Controls and indicators

Motor drive integrated	No

Main electrical features

Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

Electric current

Rated current	100 A
Thermal protection nob setting xIN	1
Rating current 10°C according to IEC 60947	120.5 A
Rating current 15°C according to IEC 60947	118.1 A
Rating current 20°C according to IEC 60947	115.7 A
Rating current 25°C according to IEC 60947	113.2 A
Rating current 30°C according to IEC 60947	110.7 A
Rating current 35°C according to IEC 60947	108.1 A
Rating current 40°C according to IEC 60947	105.5 A
Rating current 45°C according to IEC 60947	102.7 A
Rating current 50°C according to IEC 60947	100 A
Rating current 55°C according to IEC 60947	97.1 A
Rating current 60°C according to IEC 60947	94.1 A
Rating current 65°C according to IEC 60947	91.1 A

Rating current 70°C according to IEC 60947	87.9 A
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	18 kA
Range of the thermal adjustment	100 A
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	18 kA

Dimensions

Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	100 mm

Frequency

Frequency	50 to 60 Hz

Power

Total power loss under IN	39 W
Power loss per pole at In	13 W

Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

Installation, mounting

DIN rail mounting with optional adaptator	No

Connection

Connection	Front connection
Type of connection	with screw

Settings

Range of the magnetic adjustment	1500 A

Equipment

Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	No
Can be accessorized	Yes

Standards

Standard text	IEC 60947-2

Safety

REACH conform	Yes

RoHS conform	Yes
Halogen free	No

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

temperatur

Temperature of calibration	50 °C