



HHA101U

**Moulded Case Circuit Breaker h3 x160 TM ADJ 4P4D N0-100% 100A 25kA CTC**

**Technical properties**

**Architecture**

Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D

**Functions**

Trip Unit	TM A/F
Integrated earth fault protection	No

**Controls and indicators**

Motor drive integrated	No
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**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	0.63 / 0.8 / 1
Rating current 10°C according to IEC 60947	121.6 A
Rating current 15°C according to IEC 60947	119.1 A
Rating current 20°C according to IEC 60947	116.6 A
Rating current 25°C according to IEC 60947	114 A
Rating current 30°C according to IEC 60947	111.3 A
Rating current 35°C according to IEC 60947	108.6 A
Rating current 40°C according to IEC 60947	105.8 A
Rating current 45°C according to IEC 60947	102.9 A
Rating current 50°C according to IEC 60947	100 A
Rating current 55°C according to IEC 60947	96.9 A
Rating current 60°C according to IEC 60947	93.8 A
Rating current 65°C according to IEC 60947	90.5 A
Rating current 70°C according to IEC 60947	87.1 A
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA

Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Range of the thermal adjustment	63 / 80 / 100 A
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 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
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#### Power

Power loss per pole at 0.63*In	4.7 W
Power loss per pole at 0.8*In	7.6 W
Total power loss at 0.63*In	14.2 W
Total power loss at 0.8*In	22.9 W
Total power loss under IN	35.7 W
Power loss per pole at In	11.9 W

#### Endurance

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

#### Settings

Range of the magnetic adjustment	1500 A
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#### 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
Can be accessorized	Yes

#### Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

#### 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
<b>temperatur</b>	
Temperature of calibration	50 °C