



HHA160U

Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 160A 25kA CTC

Technical properties

Number of poles 3 Functions Trip Unit TM A/ Integrated earth fault protection N Concurrently switching N-neutral N Controls and indicators N Main electrical features 220 / 415 Rated operational voltage Ue 220 / 415 Frequency 50/60 H Voltage 220 / 415 Rated insulation voltage Ue 220 / 415 Strequency 50/60 H Voltage 8 Rated insulation voltage Ue 220 / 415 Frequency 50/60 H Voltage 8 Rated insulation voltage Ue 220 / 415 Frequency 50/60 H Voltage 8 Rated insulation voltage Ue 220 / 415 Rated insulation voltage 8 k With under voltage release N Electric current 160 Thermal protection nob setting xIN 0.63 / 0.8 / Rating current 10°C according to IEC 60947 188.5 Rating current 20°C according to IEC 60947 181.8 Rating current 30°C according to IEC 60947 171.	Neutral position	without neutra
Functions Trip Unit TM AV Integrated earth fault protection N Concurrently switching N-neutral N Controls and indicators N Motor drive integrated N Main electrical features 220 / 415 Frequency 50/60 H Voltage 8 Rated operational voltage Ue 220 / 415 Frequency 50/60 H Voltage 80 Rated insulation voltage 690 Rated insulation voltage release N Electric current 160 Thermal protection nob setting xIN 0.63 / 0.8 / Rating current 10°C according to IEC 60947 188.5 Rating current 10°C according to IEC 60947 188.5 Rating current 10°C according to IEC 60947 178.3 Rating current 30°C according to IEC 60947 174.8 Rating current 30°C according to IEC 60947 163.8 Rating current 40°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947	Number of protected poles	3
Trip Unit TM A/ Integrated earth fault protection N Concurrently switching N-neutral N Controls and indicators N Motor drive integrated N Main electrical features N Rated operational voltage Ue 220 / 415 Frequency 50/60 H Voltage 8 Rated insulation voltage 8 k With under voltage release N Electric current 160. Thermal protection nob setting xIN 0.63 / 0.8 / Rating current 10°C according to IEC 60947 188.5 Rating current 10°C according to IEC 60947 188.5 Rating current 30°C according to IEC 60947 178.3 Rating current 40°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947 163.8 Rating current 55°C according to IEC 60947 165.8 Rating current 55°C according to IEC 6	Number of poles	3 F
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Rating current 70°C according to IEC 60947 143.6 Rated ultimate short-circuit breaking	Rating current 60°C according to IEC 60947	152 /
Rated ultimate short-circuit breaking	Rating current 65°C according to IEC 60947	147.8 /
	Rating current 70°C according to IEC 60947	143.6
	Pated ultimate chort circuit breaking	

Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 k/
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 k/
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 k/
Range of the thermal adjustment	100 / 125 / 160 /
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 k/
Dimensions	
Depth of installed product	68 mn
Height of installed product	130 mn
Width of installed product	75 mn
Frequency	
Frequency	50 to 60 H:
Power	
Power loss per pole at 0.63*In	5.7 V
Power loss per pole at 0.8*In	8.9 V
Total power loss at 0.63*In	17.1 V
Total power loss at 0.8*In	26.7 V
Total power loss under IN	43.8 V
Power loss per pole at In	14.6 V
Endurance	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
Settings	
Range of the magnetic adjustment	1600 A
Equipment	
Number of auxiliary contacts as normally closed contact	(
Number of auxiliary contacts as normally open contact	(
Number of auxiliary contacts as change- over contact	(
Can be accessorized	Ye
Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
Safety	
REACH conform	Ye
RoHS conform	Ye
Halogen free	N

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

temperatur

Temperature of calibration

50 °C