



HHA125U

Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 125A 25kA CTC

Technical properties

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Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
Functions	
Trip Unit	TM A/F
Integrated earth fault protection	No
Concurrently switching N-neutral	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	125 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Rating current 10°C according to IEC 60947	151.4 A
Rating current 15°C according to IEC 60947	148.4 A
Rating current 20°C according to IEC 60947	145.3 A
Rating current 25°C according to IEC 60947	142.1 A
Rating current 30°C according to IEC 60947	138.8 A
Rating current 35°C according to IEC 60947	135.5 A
Rating current 40°C according to IEC 60947	132.1 A
Rating current 45°C according to IEC 60947	128.6 A
Rating current 50°C according to IEC 60947	125 A
Rating current 55°C according to IEC 60947	121.2 A
Rating current 60°C according to IEC 60947	117.4 A
Rating current 65°C according to IEC 60947	113.4 A
Rating current 70°C according to IEC 60947	109.3 A

Rated ultimate short-circuit breaking capacity ku under 240V AC IEC 60947-2 2 35 Rated ultimate short-circuit breaking capacity ku under 400V AC IEC 60947-2 25 Rated ultimate short-circuit breaking capacity ku under 415V AC IEC 60947-2 25 Rated ultimate short-circuit breaking capacity ku under 415V AC IEC 60947-2 25 Range of the thermal adjustment 80/100 / 122 Rated ultimate short-circuit breaking capacity ku under 380V AC IEC 60947-2 25 Dimensions Depth of installed product 68 ns Height of installed product 130 ns Width of installed product 75 ns Frequency 50 to 60 Power Power loss per pole at 0.63*In 4.5 Power loss per pole at 0.63*In 7.7 Total power loss at 0.63*In 7.7 Total power loss at 0.63*In 13.5 Total power loss at 0.63*In 13.5 Total power loss per pole at In 11 Endurance Electric endurance in number of cycles 100 Number of mechanical operations 400 Settings Range of the magnetic adjustment 1500 Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as change-over contact Can be accessorized 500 Standards Standard text 16C 60947 European directive WEEE concern Safety REACH conform 500 ROW 122 Reach conform 150 Red 250 Reach conform 150 Reference 150	Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity, Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity, Icu under 415V AC IEC 60947-2 Range of the thermal adjustment Roted ultimate short-circuit breaking capacity, Icu under 415V AC IEC 60947-2 Range of the thermal adjustment Roted ultimate short-circuit breaking capacity, Icu under 360V AC IEC 60947-2 25 Dimensions Depth of installed product 68 in Height of installed product Roted under 360V AC IEC 60947-2 Frequency	Rated ultimate short-circuit breaking	35 kA
capacity Icu under 415V AC IEC 60947-2 25 Range of the thermal adjustment 80 / 100 / 124 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 25 Dimensions Depth of installed product 68 n Height of installed product 130 n Width of installed product 75 n Frequency 50 to 60 Power Frequency 50 to 60 Power Over Icus per pole at 0.63*In 7, 100 per pole at 0.8*In 7, 100 per pole at 0.8*In 100 per pole at 0.8*I	Rated ultimate short-circuit breaking	25 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Pimensions Depth of installed product 68 n Height of installed product 75 n Height of installed product 75 n Width of installed product 75 n Width of installed product 75 n Width of installed product 75 n Frequency 50 to 60 Power Power Power Ioss per pole at 0.63*In 7 n 13.5 Total power loss at 0.63*In 7 n 13.5 Total power loss at 0.63*In 13.5 Total power loss at 0.8*In 13.5 Total power loss at 0.8*In 11.5 Total power loss per pole at In 11.5 Endurance Electric endurance in number of cycles 10.0 Number of mechanical operations 40.5 Equipment 15.00 Eq		25 kA
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Depth of installed product 130 n Height of installed product 75 n Width of installed product 75 n Frequency Frequency 50 to 60 Power Power loss per pole at 0.63*In 4.5 Power loss per pole at 0.8*In 7 Total power loss at 0.63*In 13.5 Total power loss at 0.63*In 13.5 Total power loss at 0.63*In 13.5 Total power loss under IN 33 Power loss per pole at 1 n 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 5 Standards Standards Standards Standard text 1EC 6094 European directive WEEE concern		25 kA
Height of installed product 75 m Frequency Frequency Frequency 50 to 60 Power Power loss per pole at 0.63*In 7 Total power loss at 0.63*In 7 Total power loss at 0.8*In 7 Total power loss at 0.8*In 13.5 Total power loss at 0.8*In 13.5 Total power loss at 0.8*In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 10 Safety REACH conform 10 ROHS conform	Dimensions	
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Frequency 50 to 60 Power Power loss per pole at 0.63*In 4.5 Power loss per pole at 0.8*In 7 Total power loss at 0.63*In 13.5 Total power loss at 0.8*In 21.1 Total power loss under IN 33 Power loss per pole at In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as change-over contact Can be accessorized 5 Standards Standards Standards Standard text IEC 6094* European directive WEEE concern	Height of installed product	130 mm
Frequency 50 to 60 Power Power loss per pole at 0.63*In 4.5 Power loss per pole at 0.8*In 7 Total power loss at 0.63*In 13.5 Total power loss at 0.8*In 21.1 Total power loss under IN 33 Power loss per pole at In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as change-over contact Can be accessorized 10 Standards Standards Standard text IEC 6094: European directive WEEE concern Safety REACH conform 19	Width of installed product	75 mm
Power Power Power Ioss per pole at 0.63*In 4.5 Power Ioss per pole at 0.8*In 7 Total power Ioss at 0.63*In 13.5 Total power Ioss at 0.8*In 21.1 Total power Ioss under IN 33 Power Ioss per pole at In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 Standards Standard text IEC 6094* European directive WEEE concern Safety REACH conform 10 ROHS conform 10 RO	Frequency	
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Total power loss under IN 33 Power loss per pole at In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 19 Standards Standard text IEC 6094: European directive WEEE concern Safety REACH conform 19 REACH c	Total power loss at 0.63*In	13.5 W
Power loss per pole at In 11 Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 10 Standards Standard text IEC 6094: European directive WEEE concern Safety REACH conform 10 ROHS conform 10 R	Total power loss at 0.8*In	21.1 W
Endurance Electric endurance in number of cycles 10 Number of mechanical operations 40 Settings Range of the magnetic adjustment 1500 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 19 Standards Standard text IEC 6094: European directive WEEE concern Safety REACH conform 19 ROHS conform 10	Total power loss under IN	33 W
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Settings Range of the magnetic adjustment 1500 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 Yestandards Standards Standard text IEC 6094: European directive WEEE concern Safety REACH conform	Electric endurance in number of cycles	1000
Range of the magnetic adjustment 1500 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 Y Standards Standard text IEC 60947 European directive WEEE concern Safety REACH conform Y RoHS conform	Number of mechanical operations	4000
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over contact Can be accessorized Standards Standard text European directive WEEE Concern Safety REACH conform Y ROHS conform Y		0
Standards Standard text IEC 6094 European directive WEEE concern Safety REACH conform Y RoHS conform		0
Standard text IEC 60947 European directive WEEE concern Safety REACH conform Y RoHS conform	Can be accessorized	Yes
European directive WEEE concern Safety REACH conform Y RoHS conform	Standards	
Safety REACH conform Y RoHS conform Y	Standard text	IEC 60947-2
REACH conform Y RoHS conform Y	European directive WEEE	concerned
RoHS conform	Safety	
	REACH conform	Yes
Halogen free	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			