



HDA125U

**Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 125A 18kA CTC**

**Technical characteristics**

**Architecture**

Type of order	Toggle
Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
Type of case	Fixed built-in

**Functions**

Complete device with protection unit	Yes
Trip Unit	TM A/F
With integrated earth leakage fault protection	No
Concurrently switching N-neutral	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	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 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	80 / 100 / 125 A
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	18 kA
<b>Dimensions</b>	
Depth of installed product	68 mm
Height of installed product	130 mm
Width of installed product	75 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Power loss per pole at 0.63*In	4.5 W
Power loss per pole at 0.8*In	7 W
Total power loss at 0.63*In	13.5 W
Total power loss at 0.8*In	21.1 W
Total power loss under IN	33 W
Power loss per pole at In	11 W
<b>Endurance</b>	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
<b>Installation, mounting</b>	
DIN rail mounting with optional adaptor	No
<b>Connection</b>	
Connection	Front connection
Type of connection	with screw
<b>Settings</b>	
Range of the magnetic adjustment	1500 A
<b>Equipment</b>	
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

Subject to technical modifications

Can be accessorized

Yes

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**Standards**

Standard text

IEC 60947-2

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**Safety**

REACH conform

Yes

RoHS conform

Yes

Halogen free

No

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**Use conditions**

Degree of pollution according to IEC 60664 /  
IEC 60947-2

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Altitude

2000 m

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Temperature of calibration

50 °C