



HDA080U

**Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 80A 18kA CTC**

**Technical Features**

**Electric current**

Rated current	80 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	18 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	25 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	25 kA

**Architecture**

Number of poles	3
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**Electric current**

Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	18 kA
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**Frequency**

Frequency	50 - 60 Hz
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	690 V
Rated operational voltage U <sub>e</sub>	220 - 415 V

**Functions**

Trip unit	TM A/F
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**Power**

Total power loss under I <sub>N</sub>	32.10 W
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**Endurance**

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

**Safety**

Ingress Protection (IP) class	IP4X
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**Connection**

Cross-section flexible conductor	4 - 70 mm <sup>2</sup>
Cross-section rigid conductor	4 - 95 mm <sup>2</sup>

**Installation, mounting**

Mounting-/Connection Position	Front
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**Connectivity**

Type of connection	Screw terminal
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**Settings**

Thermal protection knob setting xI <sub>N</sub>	0.63 0.8 1
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**Dimensions**

Height	130 mm
Width	75 mm
Depth	68 mm

**Sustainability**

REACH-SVHC free	Yes
RoHS conform	Yes