



HNA080H

**Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 80A 40kA 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	40 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	40 kA

**Architecture**

Number of poles	3
-----------------	---

**Electric current**

Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	20 kA
-----------------------------------------------------------------------------------------	-------

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**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
-----------	--------

**Power**

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

**Endurance**

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

**Safety**

Ingress Protection (IP) class	IP4X
-------------------------------	------

**Connection**

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

**Installation, mounting**

Nominal tightening torque	6 - 6 Nm
Mounting-/Connection Position	Front

**Connectivity**

Type of connection	Screw terminal
--------------------	----------------

**Settings**

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

**Dimensions**

Height	130 mm
Width	75 mm
Depth	68 mm

**Sustainability**

REAcH-SVHC free	Yes
RoHS conform	Yes