



HNS081DC

## Moulded Case Circuit Breaker h3+ P160 TM ADJ 4P4D N0-100% 80A 40kA CTC

### Technical characteristics

#### Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	50 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	40 kA
Rated current 10°C according to IEC 60947	102.30 A
Rated current 15°C according to IEC 60947	99.80 A
Rated current 20°C according to IEC 60947	97.20 A
Rated current 25°C according to IEC 60947	94.60 A
Rated current 30°C according to IEC 60947	91.80 A
Rated current at 35°C according to IEC 60947	89 A
Rated current at 40°C according to IEC 60947	86.10 A
Rated current 45°C according to IEC 60947	83.10 A
Rated current 50°C according to IEC 60947	80 A
Rated current 55°C according to IEC 60947	76.80 A
Rated current at 60°C according to IEC 60947	73.40 A
Rated current 65°C according to IEC 60947	69.80 A
Rated current 70°C according to IEC 60947	66.10 A

#### Architecture

Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left

#### Frequency

Frequency	50 - 60 Hz
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#### Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

#### Functions

Trip unit	TM A/A
<b>Power</b>	
Total power loss under IN	17.70 W
<b>Endurance</b>	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Connection</b>	
Cross-section flexible conductor	6 - 70 mm <sup>2</sup>
Cross-section rigid conductor	6 - 95 mm <sup>2</sup>
<b>Connectivity</b>	
Type of connection	Screw terminal
<b>Cover, door</b>	
Interlockable	Yes
<b>Settings</b>	
Thermal protection knob setting xIN	0.63, 0.8, 1
<b>Cable</b>	
Cable material	Copper
<b>Compatibility</b>	
Compatible with RDC AOB	No
Suitable for DIN Rail	No
Suitable for distribution board	Yes
<b>Dimensions</b>	
Height	130 mm
Width	120 mm
Depth	97 mm
<b>Installation, mounting</b>	
Mounting-/Connection Position	Front
Nominal tightening torque	6 - 6 Nm
Nominal tightening torque down terminal	6 - 6 Nm
Nominal tightening torque top terminal	6 - 6 Nm
<b>Electrical protection</b>	
Instantaneous protection (Ii): dial setting coefficient	6, 8, 10, 12