



HES081DC

Moulded Case Circuit Breaker h3+ P160 TM ADJ 4P4D N0-100% 80A 70kA CTC

Technical characteristics

Electric current

Rated current	80 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 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
Power	
Total power loss under IN	17.70 W
Endurance	
Electric endurance in number of cycles	10,000
Number of mechanical operations	40,000
Safety	
Ingress Protection (IP) class	IP4X
Connection	
Cross-section flexible conductor	6 - 70 mm ²
Cross-section rigid conductor	6 - 95 mm ²
Connectivity	
Type of connection	Screw terminal
Cover, door	
Interlockable	Yes
Settings	
Thermal protection knob setting xIN	0.63, 0.8, 1
Cable	
Cable material	Copper
Compatibility	
Compatible with RDC AOB	No
Suitable for DIN Rail	No
Suitable for distribution board	Yes
Dimensions	
Height	130 mm
Width	120 mm
Depth	97 mm
Installation, mounting	
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
Electrical protection	
Instantaneous protection (Ii): dial setting coefficient	6, 8, 10, 12