Product Datasheet
HHS040DC

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Moulded Case Circuit Breaker h3+ P160 TM ADJ 3P3D 40A 25kA CTC

Technical Features

Electric current	
Rated current	40 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	35 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	35 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 660 V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	6 kA
Rated current 10°C according to IEC 60947	49.90 A
Rated current 15°C according to IEC 60947	48.80 A
Rated current 20°C according to IEC 60947	47.60 A
Rated current 25°C according to IEC 60947	46.50 A
Rated current 30°C according to IEC 60947	45.20 A
Rated current at 35°C according to IEC 60947	44 A
Rated current at 40°C according to IEC 60947	42.70 A
Rated current 45°C according to IEC 60947	41.40 A
Rated current 50°C according to IEC 60947	40 A
Rated current 55°C according to IEC 60947	38.60 A
Rated current at 60°C according to IEC 60947	37.10 A
Rated current 65°C according to IEC 60947	35.60 A
Rated current 70°C according to IEC 60947	34 A

Architecture	
Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Frequency	
Frequency	50 - 60 Hz

Voltage	
Rated impulse withstand voltage Uimp	8000 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	27.90 W

Endurance	
Electric endurance in number of cycles	10000
Number of mechanical operations	40000

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	
Dimensions	130 x 90 mm
Height	130 mm
Width	90 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
Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes