Product Datasheet
HED631H



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Moulded Case Circuit Breaker h630 4P 70kA 630A LSI

Technical Features

Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	70 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	60 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	9 kA

Architecture

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

Capacity

Number of modules	10.50

Tripping

Response time when opening	10 ms

Settings

Magnetic protection knob setting xIN	2.5 5 8
Range of magnetic adjustment	3500 A 4410 A 5600 A 6300 A 6300 A 6300 A 6300 A 6300 A
Thermal protection knob setting xIN	0.4 0.5 0.63 0.8 0.9 0.95 1
Adjustment range short-term delayed short-circuit release	0 - 0 A

Frequency

Frequency	50 - 60 Hz

Installation, mounting

Nominal tightening torque	22 - 22 Nm
Mounting-/Connection Position	Front

Voltage

Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

Functions

Trip unit	LSI

Main electrical attributes

Magnetic protection trip time	100 - 200 ms

Power

Total power loss under IN	120 W
Power loss per pole at In	40 W

Endurance	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
Equipment	
Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Safety	
Ingress Protection (IP) class	IP4X
Use conditions	
Operating temperature	-25 - 70 °C
Connection	
Cross-section flexible conductor	35 - 240 mm^2
Cross-section rigid conductor	35 - 240 mm^2
Connector/plug type	Terminal
Controls and indicators	
Motor drive integrated	No
Compatibility	
Suitable for DIN Rail	No
Power supply	
Position power supply	Bidirectional