



HED631H

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

### Technical characteristics

#### 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
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#### Tripping

Response time when opening	10 ms
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#### 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
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#### Installation, mounting

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

#### Voltage

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V

Rated operational voltage Ue	220 - 690 V
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## Functions

Trip unit	LSI
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## Main electrical attributes

Magnetic protection trip time	100 - 200 ms
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## Power

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

Electric endurance in number of cycles	1,000
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Number of mechanical operations	4,000
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## Equipment

Number of auxiliary contacts as change-over contact	0
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Number of auxiliary contacts as normally closed contact	0
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Number of auxiliary contacts as normally open contact	0
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## Safety

Ingress Protection (IP) class	IP4X
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## Use conditions

Operating temperature	-25 - 70 °C
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## Connection

Cross-section flexible conductor	35 - 240 mm <sup>2</sup>
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Cross-section rigid conductor	35 - 240 mm <sup>2</sup>
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Connector/plug type	Terminal
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## Controls and indicators

Motor drive integrated	No
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## Compatibility

Suitable for DIN Rail	No
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## Power supply

Position power supply	Bidirectional
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