



HED630H

## Moulded Case Circuit Breaker h630 3P 70kA 630A LSI

### Technical properties

#### Architecture

Number of poles	3 P
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#### Functions

Complete device with protection unit	Yes
Trip Unit	LSI
Integrated earth fault protection	No

#### Configuration

Number of modules	8
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#### Main electrical features

Rated operational voltage Ue	220 / 690 V
Frequency	50/60 Hz

#### Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

#### Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	20 kA
Thermal protection nob setting xIN	0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1
Breaking capacity on 1 pole for IT 230V NF 60947-2	60 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
Rated service breaking capacity Ics AC according IEC 60947-2	71 %
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	65 kA

#### Current correction factors

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	1
Correction factor of rating current for 4 and 5 devices placed side-by-side	1
Correction factor of rating current for 6 devices placed side-by-side	1
<b>Power</b>	
Total power loss under I <sub>N</sub>	120 W
Power loss per pole at I <sub>N</sub>	40 W
<b>Tripping</b>	
Trip mode	LSI
Thermal protection trip time	5 / 10 / 11 / 16 / 21 ms
Time of response when opening	10 ms
<b>Electrical specifications</b>	
Magnetic trip delay time	100 to 200 ms
<b>Endurance</b>	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
<b>Installation, mounting</b>	
DIN rail mounting with optional adaptor	No
<b>Connection</b>	
Connection cross-sect. rigid cable	35 / 240mm <sup>2</sup>
Type of connection	Terminal
<b>Settings</b>	
Range of the magnetic adjustment	3500 / 4410 / 5600 / 6300 / 6300 / 6300 / 6300 / 6300 A
Magnetic protection nob setting xI <sub>N</sub>	2.5 / 5 / 8
Setting type I <sub>N</sub> or I <sub>th</sub>	I <sub>r</sub> Th
<b>Equipment</b>	
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	Yes
<b>Standards</b>	
European directive WEEE	concerned
<b>Safety</b>	
REACH conform	Yes
RoHS conform	Yes

**Use conditions**

Operating temperature	-25...70 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-35...70 °C