



HNF981H

## MCCB h1600 4P 50kA 1250A LSI

Technische Merkmale

Type of order	Toggle
Type of case	Fixed built-ir
Number of poles	4 F
Type of pole	4P4D N:0;50;100%
Functions	
Complete device with protection unit	yes
Trip Unit	LS
Integrated earth fault protection	no
Compatibility	
Compatible with DIN rail mounting	no
Controls and indicators	
Motor drive integrated	no
Main electrical features	
Frequency	50/60 Hz
Rated operational voltage Ue	220/690 V
Voltage	
Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
With under voltage release	no
Electric current	
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	50 kA
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Breaking capacity on 1 pole with 230 V NF 60947-2	60 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	9 kA
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 415V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	70 kA
	45 kA
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	
	0,4/0,5/0,63/0,8/0,9/0,95/1

yes

#### **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

#### Power

Power loss per pole at In	62,5 W
Power loss per pole at 0.63*In	24,8 W
Power loss per pole at 0.8*In	40 W
Total power loss under IN	187,5 W
Total power loss at 0.63*In	74,4 W
Total power loss at 0.8*In	120 W

## Tripping

Tripmode	LSI	
Thermal protection trip time	5/10/11/19/21/29 ms	
Time of response when opening	10 ms	

## **Electrical specifications**

Magnetic trip delay time	100 to 200 ms
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1000
4000

## Installation, mounting

Tightening torque	65Nm
DIN rail mounting with optional adaptator	no

#### Connection

3x240mm²
3x240mm²
Front connection
Terminal

## Settings

Magnetic protection nob setting xIN	2,5/5/10
Setting type In or Ith	IrTh
Range of the magnetic adjustment	7000/8750/11200/14000/15000/15000/15000 A

#### Equipment

Motor drive optional

# :hager

Category of use	A
Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
Safety	
Protection index IP	IP4X
Use conditions	
Altitude	2000 m
Storage temperature	-35 to 70 °C