



### Moulded Case Circuit Breaker h1600 4P 50kA 1250A LSI

Reference: HNF981H  
 EAN Code: 3250613349912  
 Pack quantity: 1 Part  
 Product price list: To be defined

#### Description

Technical information	Values
Adjustment setting tripping curve	1; 2; 3; 4; 5; 6; 7
Air humidity protection	for all climates
Altitude	2000 m
Breaking capacity	50 kA
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
Category of use	A
Connection cross-sect. flexible conductor	3x240mm <sup>2</sup>
Connection cross-sect. rigid cable	3x240mm <sup>2</sup>
Device family	HNF-LSI
Electric endurance in number of cycles	1000
Frequency	50/60 Hz
Group number of the product for the heating calculation	1
Hager installation time	5130 s
Installation time	5130 s
Instantaneous protection (Ii)	15000 A
Ir1 current dial setting	0.4 A; 0.5 A; 0.63 A; 0.8 A; 0.9 A; 0.95 A; 1 A
Ir2 dial setting coefficient	1
Long-time Overload Neutral protection	0 A
Magnetic trip delay time	100 ms; 200 ms
No. of protected poles	4 P - 3d : 3d+N/2 : 4d
Number of mechanical operations	4000
Number of modules	16

## HNF981H

Technical information	Values
Number of poles	4 P
Number of products in the packaging	1
Operating temperature	-25 °C to 70 °C
Pol type for printing of stamps	4 P
Power loss per pole at In	62.5 W
Protection index IP	IP4X
Range of the magnetic adjustment	7000 A
Range of the thermal adjustment	1250 A; 1200 A; 1125 A; 1000 A; 800 A; 625 A; 500 A
Rated current	1250 A
Rated impulse withstand voltage	8000 V
Rated insulation voltage	800 V
Rated operational voltage Ue	220 V; 690 V
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
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	50 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
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	45 kA
Rating current 20°C	1250 A
Rating current 30°C	1250 A
Rating current 35°C	1250 A
Rating current 40°C	1250 A
Rating current 45°C	1250 A
Rating current 50°C	1250 A
Rating current 55°C	1000 A
Rating current 60°C	788 A
Rating current 70°C	788 A
Setting type In or Ith	IrTh
Short-time short-circuit protection (STD)	3125 A
Standard text	IEC 60 947-2
Storage temperature	-35 °C to 70 °C
Thermal protection nob setting xIn	0.4; 0.5; 0.63; 0.8; 0.9; 0.95; 1
Thermal protection trip time	5 ms; 10 ms; 11 ms; 19 ms; 21 ms; 29 ms
Tightening torque	65Nm

Technical information	Values
Time of response when opening	10 ms
Total power loss under IN	187.5 W
Trigger	Electronic
Tripmode	LSINeutral
Type of pole	3 P+N; 3 P+N/2; 4 P
Virtual weight	32000 g
Wiring time	6750 s
Wiring time - Hager made	6750 s