



HEE970H

## Moulded Case Circuit Breaker h1000 3P 70kA 1000A LSI

### Technical properties

#### Architecture

Number of poles	3 P
-----------------	-----

#### Functions

Complete device with protection unit	Yes
--------------------------------------	-----

Trip Unit	LSI
-----------	-----

Integrated earth fault protection	No
-----------------------------------	----

#### Configuration

Number of modules	12
-------------------	----

#### 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	1000 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>	186 W
Power loss per pole at I <sub>N</sub>	62 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>	
Type of connection	Terminal
<b>Settings</b>	
Range of the magnetic adjustment	5600 / 7000 / 8820 / 10000 / 10000 / 10000 / 10000 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>Use cases</b>	
Category of use	A
<b>Standards</b>	
Standard text	IEC 60947-2
European directive WEEE	concerned
<b>Use conditions</b>	

Operating temperature	-25...70 °C
Altitude	2000 m
Storage/transport temperature	-35...70 °C