



HEF990H

Moulded Case Circuit Breaker h1600 3P 70kA 1600A LSI

Technical properties

Electric current

Rated current	1600 A
Rated ultimate short-circuit breaking capacity I_{cu} under 230 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 240 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I_{cu} 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	3
Control/operation element	Toggle
Device construction type	Fixed built-in

Capacity

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

Tripping

Response time when opening	10 ms
----------------------------	-------

Settings

Adjustment range short-term delayed short-circuit release	0 - 0 A
---	---------

Frequency

Frequency	50 - 60 Hz
-----------	------------

Installation, mounting

Nominal tightening torque	65 - 65 Nm
Mounting-/Connection Position	Front

Voltage

Rated impulse withstand voltage U_{imp}	8000 V
Rated insulation voltage U_i	800 V
Rated operational voltage U_e	220 - 690 V

Functions

Trip unit	LSI
-----------	-----

Main electrical attributes

Magnetic protection trip time	100 - 200 ms
-------------------------------	--------------

Power

Total power loss under IN	168,90 W
Power loss per pole at In	56,30 W

Endurance

Electric endurance in number of cycles	1000
Number of mechanical operations	4000

Equipment

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

Safety

Ingress Protection (IP) class	IP4X
-------------------------------	------

Use conditions

Operating temperature	-25 - 70 °C
-----------------------	-------------

Connection

Cross-section flexible conductor	3x 240 mm ²
Cross-section rigid conductor	3x 240 mm ²
Connector/plug type	Terminal

Controls and indicators

Motor drive integrated	No
------------------------	----

Compatibility

Suitable for DIN Rail	No
-----------------------	----

Power supply

Position power supply	Bidirectional
-----------------------	---------------