



HEF991H

Moulded Case Circuit Breaker h1600 4P 70kA 1600A LSI

Technical properties

Arc	-hi	+~	ct.	IFO

Architecture	
Type of order	Toggle
Number of poles	4 P
Type of pole	4P4D N:0/50/100%
Functions	
Complete device with protection unit	Yes
Trip Unit	LSI
Integrated earth fault protection	No
Configuration	
Number of modules	16
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	1600 A
Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2	45 kA
Thermal protection nob setting xIN	0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1
Thermal setting current on neutral pole	0 / 0.5 / 1 ln
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 capa- city Icu under 230V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capa- city Icu under 240V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capa- city Icu under 400V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capa- city Icu under 415V AC IEC 60947-2	70 kA

Setting type In or Ith	IrTh
Equipment	
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

Use cases

Category of useAStandardsIEC 60947-2Use conditionsJust conditionsOperating temperature-25...70 °CAltitude2000 mAir humidity protectionfor all climates

-35...70 °C

Storage/transport temperature