HEE971H

MCCB h1000 4P 70kA 1000A LSI

Technische Merkmale

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

Compatibility

Compatible with DIN rail mounting	no

Main electrical features

Rated operational voltage Ue	220 / 690 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8000 V
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
Thermal setting current on neutral pole	0 / 0,5 / 1 In
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

Power

Total power loss under IN	186 W
Power loss per pole at In	62 W

Tripping

Tripmode	LSI
Thermal protection trip time	5 / 10 / 11 / 16 / 21 ms
Time of response when opening	10 ms

Electrical specifications

Magnetic trip delay time	100 to 200 ms

Endurance

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

Installation, mounting

Tightening torque	65Nm
DIN rail mounting with optional adaptator	no

Connection

Connection cross-sect. flexible conductor	2x240mm²
Connection cross-sect. rigid cable	2x240mm²
Connection	Front connection
Type of connection	Terminal

Settings

Range of the magnetic adjustment	5600 / 7000 / 8820 / 10000 / 10000 / 10000 / 10000 A
Magnetic protection nob setting xIN	2,5 / 5 / 8
Setting type In or Ith	IrTh

Equipment

Motor drive optional	yes

Use cases

Category of use	A

Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

Safety

Protection index IP	IP4X

Use conditions

Operating temperature	-25…70 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-35…70 °C