

HHD400U

Moulded Case Circuit Breaker h400 3P 25kA 400A TM

Technical characteristics

Architecture

Type of order	Toggle
Number of poles	3 P
Type of pole	3P3D

Functions

Complete device with protection unit	Yes
Trip Unit	TM A/A
Integrated earth fault protection	No

Configuration

Number of modules	8

Main electrical features

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

Voltage

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

Electric current

Rated current	400 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Breaking capacity on 1 pole for IT 230V NF 60947-2	21 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
Rated service breaking capacity Ics AC according IEC 60947-2	100 %
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	35 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2	22 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	75 W
Power loss per pole at In	25 W

Tripping

Tripmode	TM
Thermal protection trip time	0 ms
Time of response when opening	10 ms

Electrical specifications

Magnetic trip delay time	0 ms

Endurance

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

Installation, mounting

DIN rail mounting with optional adaptator	No

Connection

Connection cross-sect. flexible conductor	35 / 240mm²
Connection cross-sect. rigid cable	35 / 240mm²
Connection	Front connection
Type of connection	Terminal

Settings

Range of the magnetic adjustment	2400 / 2800 / 3200 / 3600 / 4000 / 4400 / 4800 A
Magnetic protection nob setting xIN	6 / 8 / 10 / 12
Setting type In or Ith	IN

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 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