



HHA041U

Moulded Case Circuit Breaker x160 4P 25kA 40A

Technical properties

Architecture

Type of order	Toggle
Number of poles	4 P
Type of pole	4P4D

Functions

Complete device with protection unit	Yes
Trip Unit	TM A/F
With integrated earth leakage fault protection	No

Configuration

Number of modules	6
-------------------	---

Main electrical features

Rated operational voltage Ue	220 / 415 V
Frequency	50/60 Hz

Voltage

Rated insulation voltage	690 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

Electric current

Rated current	40 A
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Breaking capacity on 1 pole for IT 400V NF 60947-2	9 kA
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

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

Power

Total power loss under IN	11 W
Power loss per pole at In	3.7 W

Tripping

Tripmode	TM
Time of response when opening	10 ms

Endurance

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

Installation, mounting

DIN rail mounting with optional adaptor	Yes
---	-----

Connection

Connection cross-sect. flexible conductor	4 / 70mm ²
Connection cross-sect. rigid cable	4 / 95mm ²
Connection	Front connection
Type of connection	with screw

Settings

Range of the magnetic adjustment	600 A
----------------------------------	-------

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	No

Use cases

Category of use	A
-----------------	---

Standards

Standard text	IEC 60947-2
---------------	-------------

Use conditions

Altitude	2000 m
Air humidity protection	for all climates