



HHA161U

Moulded Case Circuit Breaker x160 4P 25kA 160A

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
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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	160 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

Correction factor of rating current for 6 devices placed side-by-side	1
Power	
Total power loss under IN	43.8 W
Power loss per pole at In	14.6 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 adaptator	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	1600 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