



HHG020U

## Moulded Case Circuit Breaker h250 3P 25kA 20A TM

### Technical properties

#### 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
With integrated earth leakage fault protection	No

#### Configuration

Number of modules	6
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#### 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	20 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	76 %
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	15 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
<b>Power</b>	
Total power loss under I <sub>N</sub>	18.5 W
Power loss per pole at I <sub>N</sub>	6.2 W
<b>Tripping</b>	
Trip mode	TM
Thermal protection trip time	0 ms
Time of response when opening	20 ms
<b>Electrical specifications</b>	
Magnetic trip delay time	0 ms
<b>Endurance</b>	
Electric endurance in number of cycles	1000
Number of mechanical operations	4000
<b>Installation, mounting</b>	
DIN rail mounting with optional adaptor	No
<b>Connection</b>	
Connection cross-sect. flexible conductor	35 / 150mm <sup>2</sup>
Connection cross-sect. rigid cable	35 / 185mm <sup>2</sup>
Connection	Front connection
Type of connection	Terminal
<b>Settings</b>	
Range of the magnetic adjustment	120 / 160 / 200 / 240 A
Magnetic protection nob setting xI <sub>N</sub>	6 / 8 / 10 / 12
Setting type I <sub>N</sub> or I <sub>th</sub>	I <sub>N</sub>
<b>Equipment</b>	
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
<b>Use cases</b>	
Category of use	A
<b>Standards</b>	
Standard text	IEC 60947-2

**Use conditions**

Altitude	2000 m
Air humidity protection	for all climates