



HEC125H

Moulded Case Circuit Breaker h250 3P 70kA 125A LSI

Technical properties

Type of order	Toggle
Number of poles	3 F
Type of pole	3P3D
Functions	
Complete device with protection unit	Yes
Trip Unit	LS
Integrated earth fault protection	Nc
Configuration	
Number of modules	6
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	
Electric current Rated current	No 125 A
Electric current	
Electric current Rated current Rated ultimate short-circuit breaking capa-	125 A
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2	125 A 20 kA
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1 51 kA
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Rated service breaking capacity Ics AC	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1 51 kA 9 kA 71 %
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Rated service breaking capacity Ics AC according IEC 60947-2 Rated ultimate short-circuit breaking capa-	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1 51 kA 9 kA 71 % 100 kA
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Rated service breaking capacity Ics AC according IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capa-	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1 51 kA 9 kA 71 % 100 kA 85 kA
Electric current Rated current Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2 Thermal protection nob setting xIN Breaking capacity on 1 pole for IT 230V NF 60947-2 Breaking capacity on 1 pole for IT 400V NF 60947-2 Rated service breaking capacity Ics AC according IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capa- city Icu under 240V AC IEC 60947-2	125 A 20 kA 0.4 / 0.5 / 0.63 / 0.8 / 0.9 / 0.95 / 1 51 kA 9 kA

Current correction factors

Connection Type of connection Settings Range of the magnetic adjustment Magnetic protection nob setting xIN Setting type In or Ith Equipment Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change- over contact Motor drive optional Use cases	Front connectio Termina 700 / 882 / 1120 / 1400 / 1610 / 1625 / 1625 / 2.5 / 5 / 1 IrT
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Connection Type of connection Settings	Termina
Connection Type of connection	
Connection	
	Front connectio
connection cross seet. rigid cubic	
Connection cross-sect. rigid cable	35 / 185mm
Connection cross-sect. flexible conductor	35 / 150mm
Installation, mounting DIN rail mounting with optional adaptator Connection	Ν
Number of mechanical operations	400
Electric endurance in number of cycles	100
Endurance	
Magnetic trip delay time	100 to 200 m
Electrical specifications	
Time of response when opening	10 m
Thermal protection trip time	5/8/11/21 m
Tripmode	LS
Tripping	
Power loss per pole at In	6.1 \
Total power loss under IN	18.3 \
devices placed side-by-side Power	
Correction factor of rating current for 6	
5 devices placed side-by-side	
Correction factor of rating current for 4 and 5 devices placed side-by-side	
5	

Standards

Standard text

Safety

REACH conform	Yes
RoHS conform	Yes
Use conditions	
Operating temperature	-2570 °C
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-3570 °C