



HHB125Z

**Moulded Case Circuit Breaker X250 3P 25kA 125A TM**

**Technical Features**

**Electric current**

Rated current	125 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	25 kA
Rated current 10°C according to IEC 60947	155.30 A
Rated current 15°C according to IEC 60947	151.80 A
Rated current 20°C according to IEC 60947	148.30 A
Rated current 25°C according to IEC 60947	144.60 A
Rated current 30°C according to IEC 60947	141 A
Rated current at 35°C according to IEC 60947	137.10 A
Rated current at 40°C according to IEC 60947	133.10 A
Rated current 45°C according to IEC 60947	129.10 A
Rated current 50°C according to IEC 60947	125 A
Rated current 55°C according to IEC 60947	120.60 A
Rated current at 60°C according to IEC 60947	116.20 A
Rated current 65°C according to IEC 60947	111.80 A
Rated current 70°C according to IEC 60947	107.20 A

**Architecture**

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in

**Tripping**

Response time when opening	10 ms
----------------------------	-------

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V

**Functions**

Trip unit	TM F/F
-----------	--------

**Power**

Total power loss under I <sub>N</sub>	27.70 W
---------------------------------------	---------

**Endurance**

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

**Safety**

Ingress Protection (IP) class	IP4X
-------------------------------	------

**Connection**

Cross-section flexible conductor	35 - 150 mm <sup>2</sup>
Cross-section rigid conductor	35 - 185 mm <sup>2</sup>

**Installation, mounting**

Nominal tightening torque	12 - 12 Nm
Mounting-/Connection Position	Front

**Settings**

Adjustment range short-term delayed short-circuit release	0 - 0 A
---	---------

**Compatibility**

Suitable for DIN Rail	No
-----------------------	----

---

**Main electrical attributes**

---

Magnetic protection trip time	0 - 0 ms
-------------------------------	----------

---

**Sustainability**

---

REACH-SVHC free	Yes
-----------------	-----

---

RoHS conform	Yes
--------------	-----

---