



HMT125DR

**Moulded Case Circuit Breaker h3+ P250 TM ADJ 3P3D 125A 50kA FTC**

**Technical characteristics**

**Architecture**

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Fixing mode	fixing plate
Type of case	Fixed built-in

**Functions**

Complete device with protection unit	Yes
Reversing switch	No
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	TM A/A
Integrated earth fault protection	No

**Controls and indicators**

Motor drive integrated	No
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**Main electrical features**

Rated operational voltage Ue	220 / 690 V
Type of supply voltage	AC
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	125 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	6 kA
Thermal protection nob setting xIN	0.63 / 0.8 / 1
Rating current 10°C according to IEC 60947	151.7 A
Rating current 15°C according to IEC 60947	148.6 A
Rating current 20°C according to IEC 60947	145.5 A
Rating current 25°C according to IEC 60947	142.3 A
Rating current 30°C according to IEC 60947	139 A

Rating current 35°C according to IEC 60947	135.6 A
Rating current 40°C according to IEC 60947	132.2 A
Rating current 45°C according to IEC 60947	128.6 A
Rating current 50°C according to IEC 60947	125 A
Rating current 55°C according to IEC 60947	121.3 A
Rating current 60°C according to IEC 60947	117.4 A
Rating current 65°C according to IEC 60947	113.4 A
Rating current 70°C according to IEC 60947	109.3 A
Rated service breaking capacity Ics under 660V AC according IEC 60947-2	6 kA
Breaking capacity on 1 pole for IT 230V NF 60947-2	6 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	6 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	6 kA
Breaking capacity on 1 pole for IT 690V NF 60947-2	4.25 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	50 kA
Range of the thermal adjustment	80 / 100 / 125 A
Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2	6 kA
<b>Dimensions</b>	
Depth of installed product	97 mm
Height of installed product	165 mm
Width of installed product	105 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Power loss per pole at 0.63*In	3.81 W
Power loss per pole at 0.8*In	5.95 W
Total power loss at 0.63*In	11.43 W
Total power loss at 0.8*In	17.86 W
Total power loss under IN	27.9 W
Power loss per pole at In	9.3 W
<b>Tripping</b>	
Short-time delayed tripping	No

Subject to technical modifications

**Endurance**

Electric endurance in number of cycles	10000
Number of mechanical operations	40000

**Cover, door**

Interlockable	Yes
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**Installation, mounting**

Tightening torque	12Nm
DIN rail mounting with optional adaptor	Yes
Suitable for front mounting center	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

**Connection**

Connection cross-sect. flexible conductor	35 / 150mm <sup>2</sup>
Type of connection	Terminal

**Protection**

Instantaneous protection (li): type	fixed
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**Cable**

Cable Material	Cu / Al
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**Settings**

Range of the magnetic adjustment	750 / 1000 / 1250 / 1625 A
Magnetic protection nob setting xIN	6 / 8 / 10 / 13

**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	Yes
Can be accessorized	Yes

**Use cases**

Category of use	A
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**Use**

Vibrations and shocks withstand	IEC 68068-2-52 Test FC
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**Standards**

Standard text	IEC 60947-2
European directive WEEE	concerned

**Safety**

REACH conform	Yes
RoHS conform	Yes

Halogen free	No
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
<b>temperatur</b>	
Temperature of calibration	50 °C