



HMT161NR

Moulded Case Circuit Breaker h3+ P250 Energy 4P4D N0-50-100% 160A 50kA FTC

Technical Features

Architecture

Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left
Number of poles	4

Cable

Cable material	Copper Aluminium
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Compatibility

Compatible with RDC AOB	Yes
Suitable for DIN Rail	No
Suitable for distribution board	Yes

Connection

Cross-section flexible conductor	35 - 150 mm ²
Cross-section rigid conductor	35 - 185 mm ²

Cover, door

Interlockable	Yes
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Dimensions

Depth	97 mm
Height	165 mm
Width	140 mm

Electrical protection

Instantaneous protection (Ii): dial setting coefficient	3
	3.5
	4
	4.5
	5
	5.5
	6
	6.5
	7
	7.5
	8
	8.5
	9
Long-time overload protection (Itd): delay (tr)	9.5
	10
	10.5
	11
	0.5 s
	1.5 s
	2.5 s
	5 s
	7.5 s
	9 s
	10 s
	12 s
	14 s
	16 s

Electrical protection

Short-time protection (std): current (Isd)	1.5
	2
	2.5
	3
	3.5
	4
	4.5
	5
	5.5
	6
	6.5
	7
	7.5
	8
	8.5
	9
	9.5
	10
Short-time protection (std): delay (tsd)	50 ms
	100 ms
	200 ms
	300 ms
	400 ms

Electric current

Rated current	160 A
Rated current 10°C according to IEC 60947	160 A
Rated current 15°C according to IEC 60947	160 A
Rated current 20°C according to IEC 60947	160 A
Rated current 25°C according to IEC 60947	160 A
Rated current 30°C according to IEC 60947	160 A
Rated current 45°C according to IEC 60947	160 A
Rated current 50°C according to IEC 60947	160 A
Rated current 55°C according to IEC 60947	160 A
Rated current 65°C according to IEC 60947	160 A
Rated current 70°C according to IEC 60947	150 A
Rated current at 35°C according to IEC 60947	160 A
Rated current at 40°C according to IEC 60947	160 A
Rated current at 60°C according to IEC 60947	160 A
Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	65 kA
Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	6 kA

Endurance

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

Frequency

Frequency	50 - 60 Hz
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Functions

Trip unit	ENERGY
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Installation, mounting

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

Power	
Total power loss under IN	18.42 W
Safety	
Ingress Protection (IP) class	IP4X
Settings	
Adjustment range short-term delayed short-circuit release	94.5 - 1600.0 A
Voltage	
Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V