



HMW250NR

Moulded Case Circuit Breaker h3+ P630 Energy 3P3D 250A 50kA FTC

Technical Features

Architecture

Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral
Number of poles	3

Cable

Cable material	Copper
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Compatibility

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

Dimensions

Depth	150 mm
Height	260 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
9.5	
10	
10.5	
11	
11.5	
12	
Long-time overload protection (Itd): delay (tr)	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	250 A
Rated current 10°C according to IEC 60947	250 A
Rated current 15°C according to IEC 60947	250 A
Rated current 20°C according to IEC 60947	250 A
Rated current 25°C according to IEC 60947	250 A
Rated current 30°C according to IEC 60947	250 A
Rated current 45°C according to IEC 60947	250 A
Rated current 50°C according to IEC 60947	250 A
Rated current 55°C according to IEC 60947	250 A
Rated current 65°C according to IEC 60947	250 A
Rated current 70°C according to IEC 60947	250 A
Rated current at 35°C according to IEC 60947	250 A
Rated current at 40°C according to IEC 60947	250 A
Rated current at 60°C according to IEC 60947	250 A
Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	85 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	12 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 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	12 kA

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	18 - 18 Nm

Power

Total power loss under IN	36.8 W
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Safety

Ingress Protection (IP) class	IP4X
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Settings

Adjustment range short-term delayed short-circuit release	122.85 - 2500.0 A
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Voltage

Rated impulse withstand voltage U_{imp}	8000 V
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Rated insulation voltage U_i	800 V
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Rated operational voltage U_e	220 - 690 V
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