



HMW251NR

**Moulded Case Circuit Breaker h3+ P630 Energy 4P4D N0-50-100% 250A 50kA FTC**

**Technical Features**

**Electric current**

Rated current	250 A
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**Architecture**

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

**Electric current**

Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity I <sub>cs</sub> under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 690 V AC according to IEC 60947-2	12 kA
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 at 35°C according to IEC 60947	250 A
Rated current at 40°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 at 60°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

**Frequency**

Frequency	50 - 60 Hz
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**Voltage**

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 690 V

**Power**

Total power loss under I <sub>N</sub>	36.8 W
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**Functions**

Trip unit	ENERGY
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**Safety**

Ingress Protection (IP) class	IP4X
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**Installation, mounting**

Nominal tightening torque	18 - 18 Nm
Mounting-/Connection Position	Front

**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**

Height	260 mm
Width	185 mm
Depth	150 mm

**Settings**

Adjustment range short-term delayed short-circuit release	122.85 - 2500.0 A
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**Electrical protection**

Long-time overload protection (ltd): 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	
	Short-time protection (std): current (Isd)	1.5
		2
		2.5
3		
3.5		
4		
4.5		
5		
5.5		
6		
Short-time protection (std): delay (tsd)	50 ms	
	100 ms	
	200 ms	
	300 ms	
	400 ms	
Instantaneous protection (li): 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		

**Sustainability**

RoHS conform	Yes
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