



HMW251JR

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

**Technical Features**

**Electric current**

Rated current	250 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2	85 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 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415 V AC IEC 60947-2	50 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	10 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	10 kA

**Architecture**

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

**Tripping**

Response time when opening	10 ms
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**Electric current**

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 70°C according to IEC 60947	250 A
Rated current 65°C according to IEC 60947	250 A

**Settings**

Ir1 current dial setting	90 A
	100 A
	110 A
	125 A
	140 A
	160 A
	180 A
	200 A
	225 A
	250 A
Adjustment range short-term delayed short-circuit release	122.85 - 2500.0 A

**Frequency**

Frequency	50 - 60 Hz
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**Installation, mounting**

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

<b>Voltage</b>	
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
<b>Functions</b>	
Trip unit	LSI
<b>Power</b>	
Total power loss under I <sub>N</sub>	36.8 W
Power loss per pole at I <sub>n</sub>	12.3 W
<b>Equipment</b>	
Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Use conditions</b>	
Operating temperature	-25 - 70 °C
<b>Connection</b>	
Connector/plug type	Terminal
<b>Cable</b>	
Cable material	Copper
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
<b>Dimensions</b>	
Height	260 mm
Width	185 mm
Depth	150 mm
<b>Controls and indicators</b>	
Motor drive integrated	No
<b>Compatibility</b>	
Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes
<b>Power supply</b>	
Position power supply	Bidirectional
<b>Electrical protection</b>	
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 3 4 5 6 7 8 10

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**Electrical protection**

Short-time protection (std): delay (tsd)	50 ms 100 ms 200 ms 300 ms 400 ms
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Instantaneous protection (li): dial setting coefficient	3 4 5 6 7 8 10 11 12
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**Sustainability**

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RoHS conform	Yes
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