



HMW250JR

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

Technical Features

Electric current

Rated current	250 A
Rated ultimate short-circuit breaking capacity I _{cu} under 230 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I _{cu} 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	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Tripping

Response time when opening	10 ms
----------------------------	-------

Electric current

Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity I _{cs} under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity I _{cs} 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
-----------	------------

Installation, mounting

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

Voltage	
Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 690 V
Functions	
Trip unit	LSI
Power	
Total power loss under I _N	36.8 W
Power loss per pole at I _n	12.3 W
Equipment	
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
Safety	
Ingress Protection (IP) class	IP4X
Use conditions	
Operating temperature	-25 - 70 °C
Connection	
Connector/plug type	Terminal
Cable	
Cable material	Copper
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Dimensions	
Height	260 mm
Width	140 mm
Depth	150 mm
Controls and indicators	
Motor drive integrated	No
Compatibility	
Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes
Power supply	
Position power supply	Bidirectional
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 3 4 5 6 7 8 10

Electrical protection

Short-time protection (std): delay (tsd)	50 ms 100 ms 200 ms 300 ms 400 ms
--	---

Instantaneous protection (li): dial setting coefficient	3 4 5 6 7 8 10 11 12
---	--

Sustainability

RoHS conform	Yes
--------------	-----
