



HMT250JR

Moulded Case Circuit Breaker h3+ P250 LSI 3P3D 250A 50kA FTC

Technical properties

Architecture	Arc	hit	ect	ure
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Architecture	
Type of order	Toggle
Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
Type of case	Fixed built-in
Functions	
Complete device with protection unit	Yes
Reversing switch	No
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	LSI
With integrated earth leakage fault protection	No
Controls and indicators	
Motor drive integrated	No
Main electrical features	
Rated operational voltage Ue	220 / 690 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No
Electric current	
Rated current	250 A
Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2	6 kA
Rated short-time withstand current lcw t=0.4S 220-240 V AC according IEC 60947-2	2.5 kA
Rated short-time withstand current lcw t=0.4S 380-415 V AC according IEC 60947-2	2.5 kA
Rated short-time withstand current lcw t=0.4S 660-690 V AC according IEC 60947-2	2.5 kA

Rating current 15°C according to IEC 60947 250 A Rating current 20°C according to IEC 60947 250 A Rating current 25°C according to IEC 60947 250 A Rating current 35°C according to IEC 60947 250 A Rating current 35°C according to IEC 60947 250 A Rating current 35°C according to IEC 60947 250 A Rating current 45°C according to IEC 60947 250 A Rating current 55°C according to IEC 60947 250 A Rating current 55°C according to IEC 60947 250 A Rating current 55°C according to IEC 60947 250 A Rating current 55°C according to IEC 60947 200 A Rating current 55°C according to IEC 60947 200 A Rating current 55°C according to IEC 60947 200 A Rating current 55°C according to IEC 60947 200 A Rated service breaking capacity los under 660°A according IEC 60947-2 6 kA Breaking capacity on 1 pole for IT 230 V NF 2.5 kA Breaking capacity on 1 pole for IT 230 V NF 2.5 kA Breaking capacity on 1 pole for IT 230 V NF 2.5 kA Breaking capacity on 1 pole for IT 450 V NF 60947-2 Rated ultimate short-circuit breaking capacity icu	Rating current 10°C according to IEC 60947	250 A
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Breaking capacity on 1 pole for IT 230V NF 60947-2 2.5 kA Breaking capacity on 1 pole for IT 400V NF 60947-2 2.5 kA Breaking capacity on 1 pole for IT 415V NF 60947-2 2.5 kA Breaking capacity on 1 pole for IT 415V NF 60947-2 2.5 kA Breaking capacity on 1 pole for IT 415V NF 60947-2 2.5 kA Rated ultimate short-circuit breaking capacity lcu under 230V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity lcu under 240V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity lcu under 415V AC IEC 60947-2 8 capacity lcu under 240V AC IEC 6094	Rating current 70°C according to IEC 60947	200 A
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city Icu under 240V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 50 kA Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 6 kA Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000		65 kA
city Icu under 400V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 50 kA Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 66 kA Poimensions Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 100 ms.	- · · · · · · · · · · · · · · · · · · ·	65 kA
city Icu under 415V AC IEC 60947-2 50 kA Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 6 kA Dimensions Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance 10000	3 .	50 kA
Rated ultimate short-circuit breaking capacity lcu under 220V AC IEC 60947-2 65 kA Rated ultimate short-circuit breaking capacity lcu under 380V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity lcu under 380V AC IEC 60947-2 50 kA Rated ultimate short-circuit breaking capacity lcu under 660V AC IEC 60947-2 66 kA Dimensions Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency Foul a power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 100 ms.		50 kA
city Icu under 220V AC IEC 60947-265 kARated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-250 kARated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-26 kADimensionsDepth of installed product97 mmHeight of installed product165 mmWidth of installed product105 mmFrequencyFrequency50 to 60 HzPowerTotal power loss under IN45 WPower loss per pole at In15 WEndurance10000		65 kA
city Icu under 380V AC IEC 60947-250 kARated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-26 kADimensionsDepth of installed product97 mmHeight of installed product165 mmWidth of installed product105 mmFrequencyFrequency50 to 60 HzPowerTotal power loss under IN45 WPower loss per pole at In15 WEnduranceElectric endurance in number of cycles10000		65 kA
Dimensions Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 w Endurance Electric endurance in number of cycles 10000		50 kA
Depth of installed product 97 mm Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000		6 kA
Height of installed product 165 mm Width of installed product 105 mm Frequency Frequency 50 to 60 Hz Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000	Dimensions	
Frequency Frequency Frequency 50 to 60 Hz Power Total power loss under IN Power loss per pole at In Endurance Electric endurance in number of cycles 105 mm 105 mm	Depth of installed product	97 mm
Frequency Frequency 50 to 60 Hz Power Total power loss under IN Power loss per pole at In Endurance Electric endurance in number of cycles	Height of installed product	165 mm
Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000	Width of installed product	105 mm
Power Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000	Frequency	
Total power loss under IN 45 W Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000	Frequency	50 to 60 Hz
Power loss per pole at In 15 W Endurance Electric endurance in number of cycles 10000	Power	
Endurance Electric endurance in number of cycles 10000	Total power loss under IN	45 W
Electric endurance in number of cycles 10000	Power loss per pole at In	15 W
<u> </u>	Endurance	
Number of mechanical operations 40000	Electric endurance in number of cycles	10000
	Number of mechanical operations	40000

Cover, door	
Interlockable	Yes
Installation, mounting	
Tightening torque	12Nn
DIN rail mounting with optional adaptator	No
Suitable for front mounting center	No
Suitable for front mounting	No
Suitable for ground mounting	Yes
Connection	
Connection cross-sect. flexible conductor	35 / 150mm
Connection cross-sect. rigid cable	35 / 185mm
Connection	Front connection
Type of connection	Termina
Protection	
Instantaneous protection (Ii): type	adjustable
Cable	
Cable Material	Cu / A
Equipment	
Number of auxiliary contacts as normally closed contact	C
Number of auxiliary contacts as normally open contact	C
Number of auxiliary contacts as change- over contact	C
Motor drive optional	Yes
Can be accessorized	Yes
Use cases	
Category of use	A
Use	
Vibrations and shocks withstand	IEC 68068-2-52 Test FC
Standards	
Standard text	IEC 60947-2
Safety	
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Air humidity protection	95%HR 55°C sev Kn (IEC 68-2-30/52)

temperatur

Temperature of calibration

50 °C