



HET101JR

Moulded Case Circuit Breaker h3+ P250 LSI 4P4D N0-50-100% 100A 70kA FTC

Technical properties

	Toggle
Neutral position	left
Number of protected poles	4
Number of poles	4 P
Type of pole	4P4D N:0/50/100%
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
Integrated earth fault protection	No
Concurrently switching N-neutral	Yes
Controls and indicators	
Motor drive integrated	No
Motor drive integrated Main electrical features	No
Main electrical features	No 220 / 690 V AC
Main electrical features Rated operational voltage Ue	220 / 690 V AC
Main electrical features Rated operational voltage Ue Type of supply voltage	220 / 690 V AC
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency	220 / 690 V AC 50/60 Hz
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage	220 / 690 V AC 50/60 Hz 800 V
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage Rated insulation voltage	220 / 690 V AC 50/60 Hz 800 V 8 kV
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage Rated insulation voltage Rated impulse withstand voltage	220 / 690 V AC 50/60 Hz 800 V 8 kV
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage Rated insulation voltage Rated impulse withstand voltage With under voltage release	220 / 690 V AC 50/60 Hz 800 V 8 kV No
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage Rated insulation voltage Rated impulse withstand voltage With under voltage release Electric current	220 / 690 V AC 50/60 Hz 800 V 8 kV No 100 A
Main electrical features Rated operational voltage Ue Type of supply voltage Frequency Voltage Rated insulation voltage Rated impulse withstand voltage With under voltage release Electric current Rated current Rated ultimate short-circuit breaking	220 / 690 V

Rated short-time withstand current Icw t=0.4S 660-690 V AC according IEC 60947-2	2.5 kA
Rating current 10°C according to IEC 60947	100 A
Rating current 15°C according to IEC 60947	100 A
Rating current 20°C according to IEC 60947	100 4
Rating current 25°C according to IEC 60947	100 A
Rating current 30°C according to IEC 60947	100 A
Rating current 35°C according to IEC 60947	100 Å
Rating current 40°C according to IEC 60947	100 4
Rating current 45°C according to IEC 60947	100 /
Rating current 50°C according to IEC 60947	100 Å
Rating current 55°C according to IEC 60947	100 Å
Rating current 60°C according to IEC 60947	100 /
Rating current 65°C according to IEC 60947	100 /
Rating current 70°C according to IEC 60947	100 /
Rated service breaking capacity Ics under	1007
660V AC according IEC 60947-2	6 k/
Breaking capacity on 1 pole for IT 230V NF	2.5.1
60947-2	2.5 k/
Breaking capacity on 1 pole for IT 400V NF 60947-2	2.5 k/
Breaking capacity on 1 pole for IT 415V NF 60947-2	2.5 k/
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	85 k
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 k/
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	70 k
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	70 k/
Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2	85 k/
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	85 k/
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	70 k
Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2	6 k/
Dimensions	
Depth of installed product	97 mn
Height of installed product	165 mn
Width of installed product	140 mn
	740 1111
Frequency	
Frequency	50 to 60 H
Power	
Total power loss under IN	7.2 V
Power loss per pole at In	2.4 W
Endurance	
Electric endurance in number of cycles	1000

Electric endurance in number of cycles

Number of mechanical operations	4000
Cover, door	
Interlockable	Ye
Installation, mounting	
Tightening torque	12Nr
DIN rail mounting with optional adaptator	Ν
Suitable for front mounting center	Ν
Suitable for front mounting	Ν
Suitable for ground mounting	Ye
Connection	
Connection cross-sect. flexible conductor	35 / 150mn
Connection cross-sect. rigid cable	35 / 185mm
Connection	Front connectio
Type of connection	Termina
Protection	
Instantaneous protection (li): type	adjustab
Cable	
Cable Material	Cu / /
Equipment Number of auxiliary contacts as normally	
closed contact	
Number of auxiliary contacts as normally open contact	
Number of auxiliary contacts as change- over contact	
Motor drive optional	Ye
Can be accessorized	Ye
Use cases	
Category of use	
Use	
	IEC 68068-2-52 Test F
Vibrations and shocks withstand	IEC 68068-2-52 Test F
Vibrations and shocks withstand Standards	
Vibrations and shocks withstand Standards Standard text	
Vibrations and shocks withstand Standards Standard text Safety	IEC 68068-2-52 Test F IEC 60947-
Vibrations and shocks withstand Standards Standard text Safety REACH conform	IEC 60947-
Use Vibrations and shocks withstand Standards Standard text Safety REACH conform RoHS conform Halogen free	IEC 60947-
Vibrations and shocks withstand Standards Standard text Safety REACH conform RoHS conform	IEC 60947- N Ye
Vibrations and shocks withstand Standards Standard text Safety REACH conform RoHS conform Halogen free	IEC 60947- N Ye

Air humidity protection

Temperature of calibration

50 °C