



HMW631JR





















































Moulded Case Circuit Breaker h3+ P630 LSI 4P4D N0-50-100% 630A 50kA FTC

Technical properties

Architecture

Architecture	
Type of order	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
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 protec- tion	No
Concurrently switching N-neutral	Yes
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	630 A
Rated ultimate short-circuit breaking capa- city Icu under 690V AC IEC 60947-2	12 kA
Rating current 10°C according to IEC 60947	630 A
Rating current 15°C according to IEC 60947	630 A
Rating current 20°C according to IEC 60947	630 A
Rating current 25°C according to IEC 60947	630 A



Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating capacity on 1 pole for IT 230V NF 60947.2 Rating capacity on 1 pole for IT 415V NF 60947.2 Reaking capacity on 1 pole for IT 415V NF 60947.2 Rated ultimate short-circuit breaking capacity ounder 230V AC IEC 60947.2 Rated ultimate short-circuit breaking capacity ounder 240W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity ounder 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity ounder 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity ounder 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 400W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Rated ultimate short-circuit breaking capacity lou under 200W AC IEC 60947.2 Ra	Rating current 30°C according to IEC 60947	630 A
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Frequency 50 to 60 Hz Power Power loss per pole at 0.63*In 18.6 W Power loss per pole at 0.8*In 29.6 W Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss at 0.8*In 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms	Height of installed product	260 mm
Frequency 50 to 60 Hz Power Power loss per pole at 0.63*In 18.6 W Power loss per pole at 0.8*In 29.6 W Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Tripping Time of response when opening 10 ms	Width of installed product	185 mm
Power loss per pole at 0.63*In 18.6 W Power loss per pole at 0.8*In 29.6 W Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms	Frequency	
Power loss per pole at 0.63*In 18.6 W Power loss per pole at 0.8*In 29.6 W Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms Installation, mounting	Frequency	50 to 60 Hz
Power loss per pole at 0.8*In 29.6 W Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms	Power	
Total power loss at 0.63*In 53.1 W Total power loss at 0.8*In 84.2 W Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms Installation, mounting	Power loss per pole at 0.63*In	18.6 W
Total power loss at 0.8*In Total power loss under IN Total power loss under IN Power loss per pole at In 46.2 W Tripping Time of response when opening Installation, mounting	Power loss per pole at 0.8*In	29.6 W
Total power loss under IN 131.6 W Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms Installation, mounting	Total power loss at 0.63*In	53.1 W
Power loss per pole at In 46.2 W Tripping Time of response when opening 10 ms Installation, mounting	Total power loss at 0.8*In	84.2 W
Tripping Time of response when opening 10 ms Installation, mounting	Total power loss under IN	131.6 W
Time of response when opening 10 ms Installation, mounting	Power loss per pole at In	46.2 W
Installation, mounting	Tripping	
	Time of response when opening	10 ms
Tightening torque 18Nm	Installation, mounting	
	Tightening torque	18Nm

DIN rail mounting with optional adaptator	No
Suitable for front mounting	No
Suitable for ground mounting	Yes
Connection	
Connection	Front connection
Type of connection	Terminal
Cable	
Cable Material	Cu / Al
Equipment	
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change- over contact	0
Motor drive optional	Yes
Can be accessorized	Yes
Use cases	
Category of use	А
Standards	
Standard text	IEC 60947-2
Safety	
REACH conform	No
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
temperatur	
Temperature of calibration	50 °C