Product datasheet

Specification





circuit breaker Masterpact NW08H2 - 800 A - 4 poles drawout - w/o trip unit

48239

Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW08H2
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	4P
Neutral Position	Left
Control Unit	Without control unit
[In] Rated Current	800 A at 40 °C
Performance Type	H2 100 kA 440 V AC
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
Suitability For Isolation	Yes conforming to EN/IEC 60947-2
Selectivity Category	Category B
Control Type	Push-button
Mounting Mode	Drawout

Complementary

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	85 kA 1 s 50 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	220 kA 220/415 V AC at 50/60 Hz 187 kA 440 V AC at 50/60 Hz 187 kA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz
Integrated Instantaneous Protection (Din In Ka Peak)	171209 kA
Sensor Rating	400 A 800 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV

Power Dissipation In W	100 W		
Maximum Breaking Time	25 ms		
Maximum Closing Response Time	70 ms		
Mounting Support	Backplate Rails		
Upside Connection	Front Rear		
Downside Connection	Front Rear		
Connection Pitch	115 mm		
Mechanical Durability	12500 cycles without maintenance 25000 cycles with maintenance		
Electrical Durability	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3		
Height	439 mm		
Width	556 mm		
Depth	395 mm		
Net Weight	120 kg		
Standards	EN/IEC 60947-1 EN/IEC 60947-2		
Product Certifications	CE CCC EAC		

Environment

Ip Degree Of Protection	IP30 conforming to IEC 60529
Pollution Degree	4 conforming to IEC 60664-1
Ambient Air Temperature For Operation	-2570 °C
Ambient Air Temperature For Storage	-4085 °C
Operating Altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	49.5 cm
Package 1 Weight	47.654 kg

Contractual warranty

Warrantv	12 months	



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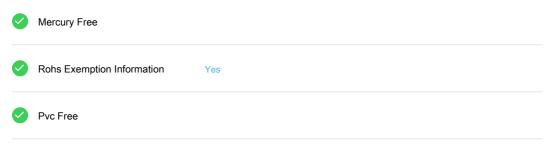
Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Certifications & Standards

Reach Regulation	REACh Declaration	
Eu Rohs Directive	Compliant with Exemptions	
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
Circularity Profile	End of Life Information	