Product datasheet





Circuit breaker frame, MasterPact NW10H1, 1000A, 65kA/440VAC 50/60Hz (Icu), 3 poles, drawout, without control unit

48245

Main

Range	MasterPacT	
Product Name	MasterPact NW	
Circuit Breaker Name	MasterPact NW10H1	
Product Or Component Type	Circuit breaker	
Device Application	Power distribution protection	
Poles Description	3P	
Control Unit	Without control unit	
[In] Rated Current	1000 A at 40 °C	
Performance Type	H1 65 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	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	65 kA 1 s 36 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	143 kA 220/415 V AC at 50/60 Hz 143 kA 440 V AC at 50/60 Hz 143 kA 525 V AC at 50/60 Hz 143 kA 690 V AC at 50/60 Hz
Sensor Rating	400 A 1000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	150 W
Maximum Breaking Time	25 ms

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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	441 mm	
Depth	395 mm	
Net Weight	90 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	37.5 cm
Package 1 Weight	47.036 kg

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
⊘	Pvc Free	

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