Product datasheet

Specifications

Green Premium™

Circuit breaker frame, MasterPact NW50H1, 5000A, 100kA/440VAC 50/60Hz (Icu), 3 poles, fixed, without control unit

48112

Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW50H1
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	3P
Control Unit	Without control unit
[In] Rated Current	5000 A at 40 °C
Performance Type	H1 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	Fixed

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 100 kA at 525 V AC 50/60 Hz 100 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 100 kA at 525 V AC 50/60 Hz 100 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	100 kA 1 s 100 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz 220 kA 525 V AC at 50/60 Hz 220 kA 690 V AC at 50/60 Hz
Sensor Rating	2500 A 5000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	660 W
Maximum Breaking Time	25 ms

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum Closing Response Time	80 ms
Mounting Support	Backplate Rails
Upside Connection	Rear
Downside Connection	Rear
Connection Pitch	230 mm
Mechanical Durability	10000 cycles with maintenance 5000 cycles without maintenance
Electrical Durability	1500 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 1500 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 1500 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 1500 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	352 mm
Width	767 mm
Depth	297 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	-25…70 °C
Ambient Air Temperature For Storage	-40…85 °C
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	75.0 cm
Package 1 Width	75.0 cm
Package 1 Length	120.0 cm
Package 1 Weight	133.411 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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

Learn more about Green Premium >

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