Product datasheet

Specifications





circuit breaker Masterpact NW50H2 - 5000 A - 3 poles - fixed - w/o trip unit

48113

() Discontinued

Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW50H2
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	H2 150 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	150 kA at 220/415 V AC 50/60 Hz
Breaking Capacity	150 kA at 440 V AC 50/60 Hz
	130 kA at 525 V AC 50/60 Hz
	100 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking	150 kA at 220/415 V AC 50/60 Hz
Capacity	150 kA at 440 V AC 50/60 Hz
	130 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	330 kA 220/415 V AC at 50/60 Hz
	330 kA 440 V AC at 50/60 Hz
	286 kA 525 V AC at 50/60 Hz
	220 kA 690 V AC at 50/60 Hz
Integrated Instantaneous Protection (Din In Ka Peak)	243297 kA
Sensor Rating	2500 A
	5000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV

660 W
25 ms
80 ms
Backplate Rails
Rear
Rear
230 mm
10000 cycles with maintenance 5000 cycles without maintenance
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
352 mm
767 mm
297 mm
120 kg
EN/IEC 60947-1 EN/IEC 60947-2
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	75.0 cm
Package 1 Width	75.0 cm
Package 1 Length	120.0 cm
Package 1 Weight	133.409 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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