

Product datasheet

Specifications



Circuit breaker frame, MasterPact NW20N1, 2000A, 42kA/440VAC 50/60Hz (Icu), 3 poles, fixed, without control unit

48056

Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW20N
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	3P
Control Unit	Without control unit
[In] Rated Current	2000 A at 40 °C
Performance Type	N1 42 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	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	42 kA 1 s 22 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	88 kA 220/415 V AC at 50/60 Hz 88 kA 440 V AC at 50/60 Hz 88 kA 525 V AC at 50/60 Hz 88 kA 690 V AC at 50/60 Hz
Sensor Rating	1000 A 2000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
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	10000 cycles 20000 cycles
Electrical Durability	6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2
Height	352 mm
Width	422 mm
Depth	297 mm
Net Weight	50 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	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	47.252 kg

Contractual warranty

Warranty	18 months
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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-CO₂ products.

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