

# Product datasheet

Specifications



Circuit breaker frame, MasterPact NW16N1, 1600A, 42kA/440VAC 50/60Hz (Icu), 4 poles, drawout, without control unit

48279

## Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW16N1
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	1600 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	Drawout

## 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	800 A 1600 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	480 W

<b>Maximum Breaking Time</b>	25 ms
<b>Maximum Closing Response Time</b>	70 ms
<b>Mounting Support</b>	Backplate Rails
<b>Upside Connection</b>	Front Rear
<b>Downside Connection</b>	Front Rear
<b>Connection Pitch</b>	115 mm
<b>Mechanical Durability</b>	12500 cycles without maintenance 25000 cycles with maintenance
<b>Electrical Durability</b>	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
<b>Height</b>	439 mm
<b>Width</b>	556 mm
<b>Depth</b>	395 mm
<b>Net Weight</b>	120 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2
<b>Product Certifications</b>	CE CCC EAC

## Environment

<b>Ip Degree Of Protection</b>	IP30 conforming to IEC 60529
<b>Pollution Degree</b>	4 conforming to IEC 60664-1
<b>Ambient Air Temperature For Operation</b>	-25...70 °C
<b>Ambient Air Temperature For Storage</b>	-40...85 °C
<b>Operating Altitude</b>	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	30.5 cm
<b>Package 1 Width</b>	29.5 cm
<b>Package 1 Length</b>	49.5 cm
<b>Package 1 Weight</b>	47.653 kg

## Contractual warranty

<b>Warranty</b>	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-CO<sub>2</sub> 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](#)