

# Product datasheet

Specifications



## circuit breaker Masterpact NW20H1 - 2000 A - 4 poles - drawout

48436

### Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW20H1
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	4P
Neutral Position	Right
Control Unit	Without control unit
[In] Rated Current	2000 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	1000 A 2000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	470 W

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

<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>	10000 cycles without maintenance 20000 cycles with maintenance
<b>Electrical Durability</b>	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 AC-23A: 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 8000 cycles 440 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
<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>	30.0 cm
<b>Package 1 Width</b>	30.0 cm
<b>Package 1 Length</b>	50.0 cm
<b>Package 1 Weight</b>	57.547 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>