

# Product datasheet

Specifications



## circuit breaker Masterpact P&P NW16H2 - 1600 A - 3 P - drawout - w/o trip unit

EF548274

### Main

Range of product	Masterpact P&P NW
Range	MasterPact
Product name	Masterpact P&P NW16
Device short name	Masterpact P&P NW16
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
Network type	AC
Breaking capacity code	H2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B

### Complementary

Network frequency	50/60 Hz
Control type	Push-button
Mounting mode	Drawout
[In] rated current	1600 A at 40 °C
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	187 kA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz 220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1600 A
Breaking capacity	100 kA at 240/480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	85 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 100 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	12500 cycles without maintenance conforming to IEC 60947-2 25000 cycles with maintenance conforming to IEC 60947-2

<b>Electrical durability</b>	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
<b>Connection pitch</b>	115 mm
<b>[Icw] rated short-time withstand current</b>	85 kA 1 s conforming to IEC 60947-2 50 kA 3 s conforming to IEC 60947-2
<b>Integral instant protection</b>	171...209 kA
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	70 ms
<b>Height</b>	352 mm
<b>Width</b>	442 mm
<b>Depth</b>	297 mm

## Environment

<b>Standards</b>	IEC 60947-2 NEMA AB1 HIC
<b>Product certifications</b>	ASEFA ASTA
<b>Pollution degree</b>	4 conforming to IEC 60664-1
<b>Ambient air temperature for operation</b>	-5...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## 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>	37.5 cm
<b>Package 1 Weight</b>	47.035 kg

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

EU RoHS Directive

[Compliant](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins