

Product datasheet

Specifications



circuit breaker Masterpact P&P NW16N1 - 1600 A - 3 P - drawout - w/o trip unit

EF548272

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	N1
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	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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1600 A
Breaking capacity	42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 240/480 V AC 50/60 Hz conforming to NEMA AB1 HIC 42 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 42 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 690 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

Electrical durability	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
Connection pitch	115 mm
[Icw] rated short-time withstand current	22 kA 3 s conforming to IEC 60947-2 42 kA 1 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	352 mm
Width	442 mm
Depth	297 mm

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	31.0 cm
Package 1 Width	34.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	41.1 kg

Contractual warranty

Warranty (in months)	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