

Product datasheet

Specifications



circuit breaker Masterpact P&P NW20H2 - 2000 A - 3 P - drawout - w/o trip unit

EF548288

Main

Range of product	Masterpact P&P NW
Range	MasterPact
Product name	Masterpact P&P NW20
Device short name	Masterpact P&P NW20
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	2000 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	2000 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	10000 cycles without maintenance conforming to IEC 60947-2 20000 cycles with maintenance conforming to IEC 60947-2

Electrical durability	6000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 8000 cycles 440 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 AC-23A: 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	115 mm
[Icw] rated short-time withstand current	75 kA 3 s conforming to IEC 60947-2 85 kA 1 s conforming to IEC 60947-2
Integral instant protection	171...209 kA
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	352 mm
Width	442 mm
Depth	297 mm

Environment

Standards	IEC 60947-2 NEMA AB1 HIC
Product certifications	ASTA ASEFA
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	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	48.422 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