

Product data sheet

Specifications



Circuit breaker frame, MasterPact NW20H10, 2000A, 50kA/1150VAC 50/60Hz (Icu), 4 poles, drawout, without control unit

48739

Main

Range	MasterPacT
Product name	MasterPact NW
Circuit breaker name	MasterPact NW20H10
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	2000 A at 40 °C
Performance type	H10 50 kA 1150 V AC
[Ue] rated operational voltage	1150 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	50 kA at 1150 V AC 50/60 Hz
[Ics] rated service breaking capacity	50 kA at 1150 V AC 50/60 Hz
[Icw] rated short-time withstand current	50 kA 1 s 50 kA 3 s
[Icm] rated short-circuit making capacity	105 kA 1150 V AC at 50/60 Hz
Sensor rating	1000 A 2000 A
[Ui] rated insulation voltage	1250 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Backplate Rails
Upside connection	Rear
Downside connection	Rear

List Price displayed is VAT EXCLUSIVE.

Connection pitch	115 mm
Mechanical durability	10000 cycles without maintenance 20000 cycles with maintenance
Electrical durability	500 cycles 1150 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2
Height	439 mm
Width	556 mm
Depth	395 mm
Net weight	120 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2
Product certifications	CE CCC EAC

Environment

IP degree of protection	IP30 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.1 cm
Package 1 Width	0.1 cm
Package 1 Length	0.2 cm
Package 1 Weight	47.0 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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	3 378 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	582 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	14 kg CO2 eq.
Carbon footprint of the installation phase [A5]	20 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	2 553 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	209 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	6a3c1e0b-44cb-4a11-80eb-a08372277c1
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	69
End of life manual availability	End of Life Information
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins