

Circuit breaker frame, MasterPact NW50H1, 5000A, 100kA/440VAC 50/60Hz (Icu), 3 poles, fixed, without control unit

48112

Main

Range	MasterPacT	
Product name	MasterPact NW	
Circuit breaker name	MasterPact NW50H1	
Product or component type	Circuit breaker	
Device application	Power distribution protection	
Poles description	3P	
Control unit	Without control unit	
[In] rated current	5000 A at 40 °C	
Performance type	H1 100 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	Fixed	

Complementary

[Icu] rated ultimate short-circuit breaking capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 525 V AC 50/60 Hz 100 kA at 690 V AC 50/60 Hz	
[Ics] rated service breaking capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 100 kA at 525 V AC 50/60 Hz 100 kA at 690 V AC 50/60 Hz	
[lcw] rated short-time withstand current	100 kA 1 s 100 kA 3 s	
[lcm] rated short-circuit making capacity	220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz 220 kA 525 V AC at 50/60 Hz 220 kA 690 V AC at 50/60 Hz	
Sensor rating	2500 A 5000 A	
[Ui] rated insulation voltage	1000 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	12 kV	
Power dissipation in W	660 W	
Maximum breaking time	25 ms	

Maximum closing response time	80 ms	
Mounting support	Backplate Rails	
Upside connection	Rear	
Downside connection	Rear	
Connection pitch	230 mm	
Mechanical durability	10000 cycles with maintenance 5000 cycles without maintenance	
Electrical durability	1500 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 1500 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 1500 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 1500 cycles 690 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	
Height	352 mm	
Width	767 mm	
Depth	297 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	4 conforming to IEC 60664-1	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Operating altitude	02000 m without derating	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	75.0 cm
Package 1 Width	75.0 cm
Package 1 Length	120.0 cm
Package 1 Weight	133.411 kg

Contractual warranty

Warranty 18 months



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	4307
Environmental Disclosure	Product Environmental Profile

Use Better

⊗ Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	6a3c1e0b-44cb-4a11-80eb-a083722777c1
REACh Regulation	REACh Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

Use Again

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins