

circuit breaker Masterpact NT12H1 - 1250 A - 4 poles - fixed - w/o trip unit

47145

Main

Range	MasterPacT	
product name	MasterPact NT	
Circuit breaker name	MasterPact NT12H1	
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	1250 A at 40 °C	
Performance type	H1 42 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	42 kA at 220/415 V AC 50/60 Hz	
breaking capacity	42 kA at 440 V AC 50/60 Hz	
	42 kA at 525 V AC 50/60 Hz	
	42 kA at 690 V AC 50/60 Hz	
[Ics] rated service breaking	42 kA at 220/415 V AC 50/60 Hz	
capacity	42 kA at 440 V AC 50/60 Hz	
	42 kA at 525 V AC 50/60 Hz	
	42 kA at 690 V AC 50/60 Hz	
[lcw] rated short-time withstand	42 kA 0.5 s	
current	42 kA 1 s	
	24 kA 3 s	
[Icm] rated short-circuit making	88 kA 220/415 V AC at 50/60 Hz	
capacity	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	
Sensor rating	630 A	
	1250 A	
[Ui] rated insulation voltage	1000 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	12 kV	
Power dissipation in W	130 W	

Maximum breaking time	25 ms	
Maximum closing response time	50 ms	
Mounting support	Backplate Rails	
Upside connection	Front Rear	
Downside connection	Front Rear	
Connection pitch	70 mm	
Mechanical durability	12500 cycles without maintenance	
Electrical durability	6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3	
Height	301 mm	
Width	346 mm	
Depth	196 mm	
Product weight	18 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	-2570 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	02000 m without derating 2000 m5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	40.000 cm
Package 1 Width	40.000 cm
Package 1 Length	30.000 cm
Package 1 Weight	15.690 kg

Contractual warranty

Warranty 12 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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	888
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	27fdc503-4522-4881-a1c6-58cfc3a5b0b0
China RoHS Regulation	China RoHS declaration
PVC free	Yes
Silicon free	No

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free plastic parts product
Take-back	No