

# Product datasheet

Specifications



## circuit breaker Masterpact NT10H2 - 1000 A - 3 poles - fixed - w/o trip unit

47131

### Main

Range	MasterPacT
Product name	MasterPact NT
Circuit breaker name	MasterPact NT10H2
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control unit	Without control unit
[In] rated current	1000 A at 40 °C
Performance type	H2 50 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	50 kA at 220/415 V AC 50/60 Hz 50 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 capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 50 kA at 525 V AC 50/60 Hz 50 kA at 690 V AC 50/60 Hz
[Icw] rated short-time withstand current	42 kA 0.5 s 42 kA 1 s 20 kA 3 s
[Icm] rated short-circuit making capacity	105 kA 220/415 V AC at 50/60 Hz 105 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
Integrated instantaneous protection (DIN in kA peak)	81...99 kA
Sensor rating	400 A 1000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz

<b>[Uimp] rated impulse withstand voltage</b>	12 kV
<b>Power dissipation in W</b>	80 W
<b>Maximum breaking time</b>	25 ms
<b>Maximum closing response time</b>	50 ms
<b>Mounting support</b>	Backplate Rails
<b>Upside connection</b>	Front Rear
<b>Downside connection</b>	Front Rear
<b>Connection pitch</b>	70 mm
<b>Mechanical durability</b>	12500 cycles without maintenance
<b>Electrical durability</b>	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
<b>Height</b>	301 mm
<b>Width</b>	276 mm
<b>Depth</b>	196 mm
<b>Net weight</b>	14 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2
<b>Product certifications</b>	CE CCC EAC

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	25.0 cm
<b>Package 1 Width</b>	40.0 cm
<b>Package 1 Length</b>	40.0 cm
<b>Package 1 Weight</b>	15.69 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes

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<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>PVC free</b>	Yes

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### **Contractual warranty**

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<b>Warranty</b>	12 months
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**Recommended replacement(s)**