

Product data sheet

Specifications



circuit breaker Masterpact NT16H2T - 1600 A - 3 poles - drawout - w/o trip unit

47219

⚠ Discontinued on: Oct 13, 2021

⚠ Discontinued

Main

Range	MasterPact
Product name	MasterPact NT
Circuit breaker name	MasterPact NT16H2
Product or component type	Basic frame
Poles description	3P
Control unit	Without control unit
[In] rated current	1600 A at 40 °C
Performance type	H2T
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category A
Control type	Push-button
Mounting mode	Drawout

Complementary

[Icu] rated ultimate short-circuit breaking capacity	42 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	42 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	10 kA 0.5 s conforming to IEC 60947-2 10 kA 1 s conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	88 kA 525 V AC at 50/60 Hz 88 kA 690 V AC at 50/60 Hz 105 kA 220/415 V AC at 50/60 Hz 105 kA 440 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	81...99 kA
Sensor rating	1600 A
[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
Maximum breaking time	25 ms
Maximum closing response time	50 ms

List Price displayed is VAT EXCLUSIVE.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connection pitch	70 mm
Mechanical durability	12500 cycles without maintenance conforming to IEC 60947-2
Electrical durability	3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Height	322 mm
Width	288 mm
Depth	276.5 mm
Standards	IEC 60947-2
Product certifications	LCIE ASEFA

Environment

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	22 cm
Package 1 Width	16 cm
Package 1 Length	20 cm
Package 1 Weight	19 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
PVC free	Yes

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