

Circuit breaker frame, MasterPact NT16H1, 1600A, 42kA/440VAC 50/60Hz (Icu), 3 poles, fixed, without control unit

47150

Main

Range	MasterPacT	
Product Name	MasterPact NT	
Circuit Breaker Name	MasterPact NT16H1	
Product Or Component Type	Circuit breaker	
Device Application	Power distribution protection	
Poles Description	3P	
Control Unit	Without control unit	
[In] Rated Current	1600 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
[Icw] 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	800 A
-	1600 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	220 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	276 mm
Depth	196 mm
Net Weight	14 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	25.0 cm
Package 1 Width	40.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	21.505 kg

Contractual warranty

Warranty 18 mor	nths
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Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

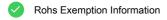




Transparency RoHS/REACh

Well-being performance





Yes



Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov