Product datasheet

Specifications





Circuit breaker frame, MasterPact NW16L1, 1600A, 150kA/440VAC 50/60Hz (Icu), 3 poles, drawout, without control unit

48275

Main

Range	MasterPacT	
Product Name	MasterPact NW	
Circuit Breaker Name	MasterPact NW16L1	
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	L1 150 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	Drawout	

Complementary

[Icu] Rated Ultimate Short-Circuit Breaking Capacity	150 kA at 220/415 V AC 50/60 Hz 130 kA at 440 V AC 50/60 Hz 100 kA at 525 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	150 kA at 220/415 V AC 50/60 Hz 130 kA at 440 V AC 50/60 Hz 100 kA at 525 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	30 kA 1 s 30 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	330 kA 220/415 V AC at 50/60 Hz 330 kA 440 V AC at 50/60 Hz 286 kA 525 V AC at 50/60 Hz 220 kA 690 V AC at 50/60 Hz
Integrated Instantaneous Protection (Din In Ka Peak)	7288 kA
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	390 W
Maximum Breaking Time	10 ms

Maximum Closing Response Time	70 ms
Mounting Support	Backplate Rails
Upside Connection	Front Rear
Downside Connection	Front Rear
Connection Pitch	115 mm
Mechanical Durability	12500 cycles without maintenance 25000 cycles with maintenance
Electrical Durability	3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 3000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2
Height	439 mm
Width	441 mm
Depth	395 mm
Net Weight	90 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 2000 m5000 m with derating	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	49.681 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

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

Mercury Free
Rohs Exemption Information 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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information