# **Product datasheet**





## circuit breaker Masterpact NW02 -250 A - 3 poles - fixed - w/o trip unit

48189

! Discontinued on: 18 Oct 2020

① Discontinued

#### Main

Range	MasterPacT
Product Name	MasterPact NW
Circuit Breaker Name	MasterPact NW02
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	3P
Control Unit	Without control unit
[In] Rated Current	250 A at 40 °C
Performance Type	H1 65 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	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Ics] Rated Service Breaking Capacity	65 kA at 220/415 V AC 50/60 Hz 65 kA at 440 V AC 50/60 Hz 65 kA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Icw] Rated Short-Time Withstand Current	65 kA 1 s 36 kA 3 s
[Icm] Rated Short-Circuit Making Capacity	143 kA 220/415 V AC at 50/60 Hz 143 kA 440 V AC at 50/60 Hz 143 kA 525 V AC at 50/60 Hz 143 kA 690 V AC at 50/60 Hz
Sensor Rating	250 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms

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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	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC
	60947-2
	10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC
	60947-2
	AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/ IEC 60947-3
	AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/
	IEC 60947-3
	AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/
	IEC 60947-3
Height	352 mm
Width	422 mm
Depth	297 mm
Net Weight	50 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	40.0 cm
Package 1 Width	45.0 cm
Package 1 Length	65.0 cm
Package 1 Weight	45.0 kg

## **Contractual warranty**

Warranty 12 months



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Transparency RoHS/REACh

#### Well-being performance

<b>②</b>	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