

# Circuit breaker Masterpact MTZ2 12N1, 1250 A, 3P fixed, without Micrologic

LV848028

### Main

MasterPacT	
MasterPact MTZ2	
MTZ2 12 N1	
Circuit breaker	
Power distribution protection	
3P	
Without control unit	
control unit MicroLogic 2.0 X control unit MicroLogic 5.0 X control unit MicroLogic 6.0 X control unit MicroLogic 7.0 X control unit MicroLogic 2.0 Xi control unit MicroLogic 5.0 Xi control unit MicroLogic 6.0 Xi control unit MicroLogic 7.0 Xi	
1250 A at 40 °C	
N1 42 kA 415 V AC	
690 V AC 50/60 Hz	
Yes conforming to EN/IEC 60947-2	
Category B	
Push-button	
Fixed	

## Complementary

[Icu] rated ultimate short-circuit breaking capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz	
	42 kA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz	
[lcs] 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 500/525 V AC 50/60 Hz	
	42 kA at 660/690 V AC 50/60 Hz	
[lcw] rated short-time withstand	42 kA 0.5 s	
current	42 kA 1 s	
	22 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 500/525 V AC at 50/60 Hz	

88 kA 660/690 V AC at 50/60 Hz

Sensor rating	630 A
	800 A
	1000 A
	1250 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	150 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Rails
	Base plate
Upside connection	Front
	Rear
Downside connection	Front
	Rear
Connection pitch	115 mm
Mechanical durability	25000 cycles with periodic preventive maintenance
Electrical durability	10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2
	10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2
Height	352 mm
Width	422 mm
Depth	300 mm
Net weight	50 kg
Standards	EN/IEC 60947-1
	EN/IEC 60947-2
	EN/IEC 60947-2 Annex H
	IEC 61557-12
Product certifications	CE
	IECEE CB Scheme

## **Environment**

IP degree of protection	IP30 conforming to EN 60529
Pollution degree	3 conforming to IEC 60947-1
ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	02000 m without derating 20005000 m with derating

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	34.0 cm
Package 1 Width	40.0 cm
Package 1 Length	31.0 cm
Package 1 Weight	41.252 kg



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 >

∇ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1268
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Recycled metal content at CR level	0
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
REACh Regulation	REACh Declaration
Halogen content performance	Product contains halogen above thresholds
PVC free	Yes
Silicon free	No

#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins