

Circuit breaker Masterpact MTZ2 16N1 - 1600 A - 3P fixed - w/o Micrologic

LV848042

Main

Range	MasterPacT	
product name	MasterPact MTZ2	
Device short name	MTZ2 16 N1	
Product or component type	Circuit breaker	
Device application	Power distribution protection	
Poles description	3P	
Control unit	Without control unit	
Product compatibility	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 6.0 Xi control unit MicroLogic 7.0 Xi	
[In] rated current	1600 A at 40 °C	
Performance type	N1 42 kA 415 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	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 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
[Icw] rated short-time withstand current	42 kA 0.5 s 42 kA 1 s 22 kA 3 s
[lcm] rated short-circuit making capacity	88 kA 220/415 V AC at 50/60 Hz 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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Sensor rating	800 A
	1000 A
	1250 A
	1600 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand	12 kV
voltage	12 KV
Power dissipation in W	000 W
rower dissipation in w	220 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Rails
	Base plate
Upside connection	Front
Opside 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
Licotrical durability	10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2
	10000 cycles 030 V AC 30/00 Hz comorning to EN/IEC 00347-2
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	41.251 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)	1645
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