Specifications



Circuit breaker Masterpact MTZ1 06L1, 630 A, 3P fixed, without Micrologic

LV847112

Main

Range	MasterPacT	
product name	MasterPact MTZ1	
Device short name	MTZ1 06 L1	
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 7.0 Xi	
[In] rated current	630 A at 40 °C	
Performance type	L1 150 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 A	
control type	Push-button	
Mounting mode	Fixed	

Complementary

[lcu] 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 500/525 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 500/525 V AC 50/60 Hz	
[Icw] rated short-time withstand current	10 kA 0.5 s	
[Icm] rated short-circuit making capacity	330 kA 220/415 V AC at 50/60 Hz 286 kA 440 V AC at 50/60 Hz 220 kA 500/525 V AC at 50/60 Hz 52 kA 660/690 V AC at 50/60 Hz	
Integrated instantaneous protection (DIN in kA peak)	5.676.93 kA	
Sensor rating	400 A 630 A	

[Ui] rated insulation voltage	1000 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	12 kV	
Power dissipation in W	45 W	
Maximum breaking time	9 ms	
Maximum closing response time	50 ms	
Mounting support	Rails Base plate	
Upside connection	Front Rear	
Downside connection	Front Rear	
Connection pitch	70 mm	
Mechanical durability	12500 cycles with periodic preventive maintenance	
Electrical durability	AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 2000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 3000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2	
Height	301 mm	
Width	276 mm	
Depth	209 mm	
Net weight	14 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	36.0 cm
Package 1 Width	40.0 cm
Package 1 Length	23.0 cm
Package 1 Weight	14.286 kg

🜔 Environmental Data

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 \geq

Environmental footprin	t	
Carbon footprint (kg.eq.CO2 per	CR, Total Life cycle)	494
Environmental Disclosure		Product Environmental Profile

Use Better

[⊗] Materials and Substances	
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	44ce05ea-25e9-435c-886d-b1162ae4666b
REACh Regulation	REACh Declaration
Halogen content performance	Product contains halogen above thresholds
PVC free	No

Use Again

$^{igodoldolde{U}}$ 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