

Circuit breaker Masterpact MTZ2 16H2, 1600 A, 3P drawout, without Micrologic

LV848274

EAN Code: 3606480808814

Main

Range	MasterPacT	
Product name	MasterPact MTZ2	
Device short name	MTZ2 16 H2	
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	H2 100 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	Drawout	

Complementary

,	
[lcu] rated ultimate short-circuit breaking capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 500/525 V AC 50/60 Hz 85 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	100 kA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz 85 kA at 500/525 V AC 50/60 Hz 85 kA at 660/690 V AC 50/60 Hz
[lcw] rated short-time withstand current	85 kA 0.5 s 85 kA 1 s 50 kA 3 s
[lcm] rated short-circuit making capacity	220 kA 220/415 V AC at 50/60 Hz 220 kA 440 V AC at 50/60 Hz 187 kA 500/525 V AC at 50/60 Hz 187 kA 660/690 V AC at 50/60 Hz
Integrated instantaneous	171209 kA

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Sensor rating	800 A	
-	1000 A	
	1250 A	
	1600 A	
	1000 A	
[Ui] rated insulation voltage	1000 V AC 50/60 Hz	
[Uimp] rated impulse withstand	12 kV	
voltage		
Power dissipation in W	390 W	
Maximum breaking time	25 ms	
Maximum closing response time	70 ms	
Mounting support	Rails	
	Base plate	
Upside connection	Front	
	Rear	
Downside connection	Front	
20	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	
	AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3	
	AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3	
	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3	
Height	Drawout circuit breaker with chassis: 439 mm	
	Drawout circuit breaker without chassis: 300 mm	
Width	Drawout circuit breaker with chassis: 441 mm	
	Drawout circuit breaker without chassis: 378 mm	
Depth	Drawout circuit breaker with chassis: 403 mm	
	Drawout circuit breaker without chassis: 300 mm	
Net weight	90 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	
	LOLE OF COLOURS	

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	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm

Package 1 Weight 47.035 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



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	
Total lifecycle Carbon footprint	2822
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
EU RoHS Directive	Compliant with Exemptions
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
REACh Regulation	REACh Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

Use Again

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