Product datasheet

Specifications



Circuit breaker Masterpact MTZ2 16H1, 1600 A, 3P fixed, without Micrologic

LV848043

Main

Range	MasterPacT	
product name	MasterPact MTZ2	
Device short name	MTZ2 16 H1	
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	1600 A at 40 °C	
Performance type	H1 66 kA 415 V AC	
[Ue] rated operational voltage	ge 690 V AC 50/60 Hz	
Suitability for isolation	ity for isolation Yes conforming to EN/IEC 60947-2	
Selectivity category	ty category Category B	
Control type	Push-button	
Mounting mode	Fixed	

Complementary

[lcu] rated ultimate short-circuit breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	66 kA at 220/415 V AC 50/60 Hz 66 kA at 440 V AC 50/60 Hz 66 kA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz
[Icw] rated short-time withstand current	66 kA 0.5 s 66 kA 1 s 36 kA 3 s
[Icm] rated short-circuit making capacity	145 kA 220/415 V AC at 50/60 Hz 145 kA 440 V AC at 50/60 Hz 145 kA 500/525 V AC at 50/60 Hz 145 kA 660/690 V AC at 50/60 Hz

Sensor rating	800 A 1000 A 1250 A 1600 A	
[Ui] rated insulation voltage	1000 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	12 kV	
Power dissipation in W	170 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	
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	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	29.5 cm
Package 1 Width	30.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	47.251 kg

Lenvironmental 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

	Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1376
	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	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

igcoldown 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