Product datasheet

Specifications





Circuit breaker frame, MasterPact MTZ2 40H2 drawout for MicroLogic X, 4000A, 100kA/ 415VAC (Icu), 4P right neutral

LV848354

Main

Range	MasterPacT
Product Name	MasterPact MTZ2
Device Short Name	MTZ2 40 H2
Product Or Component Type	Circuit breaker
Device Application	Power distribution protection
Poles Description	4P
Neutral Position	Right
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	4000 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

[Icu] 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
[Icw] Rated Short-Time Withstand Current	85 kA 0.5 s 85 kA 1 s 75 kA 3 s
[Icm] 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 Protection (Din In Ka Peak)	171209 kA
Sensor Rating	2000 A
	2500 A
	3200 A
	4000 A
[Ui] Rated Insulation Voltage	1000 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	12 kV
Power Dissipation In W	900 W
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Mounting Support	Rails
0 11	Base plate
Upside Connection	Front
	Rear
Downside Connection	Front
	Rear
Connection Pitch	150 mm
Mechanical Durability	20000 cycles with periodic preventive maintenance
Electrical Durability	AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3
-	2500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2
	5000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2
	AC-23A: 2500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3
	AC-23A: 5000 cycles 440 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: 556 mm
	Drawout circuit breaker without chassis: 493 mm
Depth	Drawout circuit breaker with chassis: 403 mm
	Drawout circuit breaker without chassis: 300 mm
Net Weight	120 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	30.0 cm

Package 1 Width	30.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	43.133 kg

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information