Product data sheet
Characteristics

LV846451
Circuit breaker frame, MasterPact MTZ1 08H3 drawout for MicroLogic X, 800A, 66kA/415VAC (Icu), 3P



Main

Range	MasterPacT
Product name	MasterPact MTZ1
Device short name	MTZ1 08 H3
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control type	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	800 A at 40 °C
Breaking capacity code	H3 66 kA 415 V AC
[Ue] rated operational voltage	690 V AC 50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category B
Control type	Push-button
Mounting mode	Drawout

Complementary

Breaking capacity	66 KA at 220/415 V AC 50/60 Hz 66 KA at 440 V AC 50/60 Hz
[Ics] rated service breaking capacity	50 KA at 440 V AC 50/60 Hz 50 KA at 220/415 V AC 50/60 Hz
[Icw] rated short-time withstand current	30 KA 3 s 50 KA 1 s 50 KA 0.5 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
Integral instant protection	99…121 KA
Circuit breaker CT rating	400 A 630 A 800 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 KV
Power dissipation in W	90 W

Maximum breaking time	25 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	10000 Cycles with periodic preventive maintenance
Electrical durability	6000 Cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3
Height	Drawout circuit breaker with chassis: 322 mm Drawout circuit breaker without chassis: 259.5 mm
Width	Drawout circuit breaker with chassis: 288 mm Drawout circuit breaker without chassis: 236.5 mm
Depth	Drawout circuit breaker with chassis: 291 mm Drawout circuit breaker without chassis: 207.5 mm
Net weight	30 Kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
Product certifications	CE[RETURN]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	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	40.0 Cm
Package 1 Width	30.0 Cm
Package 1 Length	40.0 Cm
Package 1 Weight	15.0 Kg

Offer Sustainability

Recyclability potential, in %	73
Total lifecycle Carbon footprint	854 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	235.58119658119656
Carbon footprint of the manufacturing phase [A1 to A3]	236 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	5.673504273504273
Carbon footprint of the distribution phase [A4]	6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	23.445299145299145
Carbon footprint of the installation phase [A5]	23 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	523.0317725752509
Carbon footprint of the use phase [B2, B3, B4, B6]	523 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	66.4940170940171
Carbon footprint of the end-of-life phase [C1 to C4]	66 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	854

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 c
SCIP Number	44ce05ea-25e9-435c-886d-b1162ae4666b
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised