Product data sheet
Characteristics

LV846176
Circuit breaker frame, MasterPact MTZ2 32H2V drawout for MicroLogic X, 3200A, 100kA/415VAC (Icu/Icw), 3P



Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 32 H2V
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	3200 A at 40 °C
Breaking capacity code	H2V 100 kA 415 V AC
[Ue] rated operational voltage	440 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	100 KA at 220/415 V AC 50/60 Hz 100 KA at 440 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
[Icw] rated short-time withstand current	100 KA 0.5 s 100 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
Circuit breaker CT rating	1600 A 2000 A 2500 A 3200 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 KV
Power dissipation in W	670 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
Connection pitch	115 Mm
Mechanical durability	15000 Cycles with periodic preventive maintenance
Electrical durability	5000 Cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-2 AC-23A: 5000 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	439 Mm
Width	441 Mm
Depth	403 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[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	43.9 Cm
Package 1 Width	44.1 Cm
Package 1 Length	40.3 Cm
Package 1 Weight	90.0 Kg

Offer Sustainability

Recyclability potential, in %	71
Total lifecycle Carbon footprint	4 430 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	560.6904390243902
Carbon footprint of the manufacturing phase [A1 to A3]	561 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	12.141629268292684
Carbon footprint of the distribution phase [A4]	12 kg CO2 eq.
Carbon footprint of the installation phase [A5]	14.082243902439025
Carbon footprint of the installation phase [A5]	14 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3659.0081886178855
Carbon footprint of the use phase [B2, B3, B4, B6]	3 659 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	183.60156097560977
Carbon footprint of the end-of-life phase [C1 to C4]	184 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	4430
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 cons

SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
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	Yes
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