

Product datasheet

Specifications

Switch-disconnector Masterpact MTZ3 50 HA - 5000 A - 4P fixed



LV848117

Main

Range	MasterPact
Product or component type	Switch disconnector
Device application	Distribution
Switch-disconnector name	MasterPact MTZ3 50 HA
Poles description	4P
Network type	AC
Network frequency	50/60 Hz

Complementary

Control type	Push-button
Mounting mode	Fixed
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-3
[Ie] rated operational current	5000 A AC 50/60 Hz 690 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to EN/IEC 60947-3
[Uimp] rated impulse withstand voltage	12 kV conforming to EN/IEC 60947-3
[Icw] rated short-time withstand current	85 kA during 1 s conforming to EN/IEC 60947-3 85 kA during 3 s conforming to EN/IEC 60947-3
[Icm] rated short-circuit making capacity	187 kA peak 220...690 V AC at 50/60 Hz
Utilisation category	AC-23A AC-3
Breaking capacity	85 kA Icu at 220...690 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	85 kA at 220...690 V AC 50/60 Hz conforming to EN/IEC 60947-2
performance level	HA
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Contact position indicator	Yes
Visible break	No
Mechanical durability	10000 cycles with periodic preventive maintenance conforming to EN/IEC 60947-3
Electrical durability	AC-23A: 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3
Connection pitch	230 mm
Height	352 mm
Width	997 mm
Depth	300 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Net weight	160 kg
Standards	EN/IEC 60947-3
Product certifications	IECEE CB Scheme
IP degree of protection	IP30
Pollution degree	3 conforming to EN/IEC 60947-4-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.0 cm
Package 1 Width	22.0 cm
Package 1 Length	25.0 cm
Package 1 Weight	134.15 kg

Contractual warranty

Warranty (in months)	18
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Environmental 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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	4 606 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	718 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	16 kg CO2 eq.
Carbon footprint of the installation phase [A5]	18 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3 619 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	235 kg CO2 eq.

Use Better



Materials and Substances

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
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	71
End of life manual availability	End of Life Information
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

