

Product data sheet

Specifications



Switch disconnecter, MasterPact MTZ2 16HF, 1600A, 187kA/690VAC 50/60Hz (1cm), 3P, drawout

LV848278

Main

Range	MasterPact
Product or Component Type	Switch disconnecter
Device Application	Distribution
Switch-disconnector name	MasterPact MTZ2 16 HF
Poles description	3P
Network type	AC
Network Frequency	50/60 Hz

Complementary

Control Type	Push-button
Mounting Mode	Drawout
Mounting Support	Chassis
[Ue] rated operational voltage	690 V AC 50/60 Hz EN/IEC 60947-3
[Ie] rated operational current	1600 A AC 50/60 Hz 690 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz EN/IEC 60947-3
[Uimp] rated impulse withstand voltage	12 kVEN/IEC 60947-3
[Icw] rated short-time withstand current	50 kA 3 s EN/IEC 60947-3 85 kA 1 s EN/IEC 60947-3
[Icm] rated short-circuit making capacity	187 kA peak 220...690 V AC 50/60 Hz
Utilisation category	AC-23A AC-3
performance level	HF
Suitability for isolation	Yes EN/IEC 60947-3
Contact position indicator	Yes
Visible break	No
Mechanical durability	25000 cycles with periodic preventive maintenance EN/IEC 60947-3
Electrical durability	AC-23A 10000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3 AC-23A 10000 cycles 690 V AC 50/60 Hz EN/IEC 60947-3 AC-3 6000 cycles 440 V AC 50/60 Hz EN/IEC 60947-3 AC-3 6000 cycles 690 V AC 50/60 Hz EN/IEC 60947-3
Connection pitch	4.5 in (115 mm)
Height	17.3 in (439 mm)
Width	17.4 in (441 mm)
Depth	15.9 in (403 mm)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	198.4 lb(US) (90 kg)
Standards	EN/IEC 60947-3
Product Certifications	IECEE CB Scheme
IP degree of protection	IP30
Pollution degree	3 EN/IEC 60947-4-1
Ambient Air Temperature for Operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)

Ordering and shipping details

GTIN	3606480819261
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	17.3 in (43.9 cm)
Package 1 Width	17.4 in (44.1 cm)
Package 1 Length	15.9 in (40.3 cm)
Package weight(Lbs)	198.4 lb(US) (90.0 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	2 822 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	493 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	11 kg CO2 eq.
Carbon footprint of the installation phase [A5]	12 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	2 145 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	161 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
EU RoHS Directive	Compliant with Exemptions
SCIP Number	F31d8a4d-e9cb-4afc-bf2c-5965742ce772
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds
PVC free	Yes
Silicon free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	71
Circularity Profile	End of Life Information

Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.