Product data sheet

Specifications



Surge protective device, Surgelogic, EMA, 100kA, 480V delta, 3 phase, 3 wire, SPD type 1, UL 1283, NEMA 1

EMA51

Product availability: Stock - Normally stocked in distribution facility

Main

Product	Surge protection device
Range	Surgelogic
Device Short Name	EMA

Complementary

Voltage Rating	480 V delta AC
MCOV	550 V
Operating Frequency Range	47…63 Hz
SCCR	200 kA
Surge Current	100 kA
EMI/RFI Noise Attenuation	-42 dB
Voltage Protection Rating	2000 V L - L 1800 V L - G
Nominal Discharge Current	20 kA
Repetitive Impulse Rating	20 kA
Number of Phases	3 phase
Wiring Configuration	3-wire
Connection	Lugs terminal AWG 10...AWG 2
Local Signalling	Status LED green per phase normal operation Status LED red per phase fault
Provided Equipment	Alarm enable/disable switch Surge counter Dry contacts
Device Mounting	Surface Flush fixing kit
Height	11.4 in (290 mm)
Width	8.2 in (208 mm)
Depth	5.3 in (135 mm)
Weight	22.9 lb(US) (10.4 kg)

Environment

Ambient Operating	-4…149 °F (-20…65 °C)
Storage Temperature	-40…149 °F (-40…65 °C)

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

Operating Altitude	0...12000 ft
Operating Humidity	0…95 %
Enclosure Rating	NEMA 1
Enclosure Material	painted sheet steel
Standards	UL 1449:ed. 5 CSA C22.2 No 269.2 UL 96A

Ordering and shipping details

Category	US1DE1B08464
Discount Schedule	DE1B
GTIN	047569000454
Returnability	Yes
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.0 in (15.2 cm)
Package 1 Width	13.5 in (34.3 cm)
Package 1 Length	12.008 in (30.5 cm)
Package weight(Lbs)	15.906 lb(US) (7.215 kg)

Contractual warranty

Warranty (in months)	18

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	**940 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**80 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.9 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**845 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**13 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**69**
Circularity Profile	**End of Life Information**
Take-back	**No**

Technical Illustration

Dimensions

