

Specifications



Eaton 144570

Eaton EMA S8x1+ soft starter, DIM

General specifications

PRODUCT NAME	Eaton S811 control panel
CATALOG NUMBER	144570
MODEL CODE	EMA91
EAN	4015081410804
PRODUCT LENGTH/DEPTH	190.5 mm
PRODUCT HEIGHT	114.3 mm
PRODUCT WIDTH	114.3 mm
PRODUCT WEIGHT	0.151 kg
CERTIFICATIONS	UL File No.: E202571 IEC/EN 60947-4-2 UL 508 CE CSA-C22.2 No. 14 CSA File No.: LR 353

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX 50 °C

AMBIENT OPERATING TEMPERATURE - MIN -30 °C

Design verification

10.10 TEMPERATURE RISE

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 ELECTROMAGNETIC COMPATIBILITY

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 MECHANICAL FUNCTION

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.2 CORROSION RESISTANCE

Meets the product standard's requirements.

10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES

Meets the product standard's requirements.

10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT

Meets the product standard's requirements.

10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS

Meets the product standard's requirements.

10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION

Please enquire

10.2.5 LIFTING

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 MECHANICAL IMPACT

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 INSCRIPTIONS

Meets the product standard's requirements.

10.3 DEGREE OF PROTECTION OF ASSEMBLIES

Does not apply, since the entire switchgear needs to be evaluated.

10.4 CLEARANCES AND CREEPAGE DISTANCES

Meets the product standard's requirements.

10.5 PROTECTION

Does not apply, since the

AGAINST ELECTRIC SHOCK	entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.

Features & functions

FITTED WITH:

Illuminated LCD display
Control buttons and
function keys

Resources

APPLICATION NOTES

[eaton-softstarter-s801-to-s811-ap039013-en-us.pdf](#)

BROCHURES

[eaton-softstarter-s811-ds7-brochure-br039001en-en-us.pdf](#)

CATALOGUES

[eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf](#)

General information

ACCESSORY/SPARE PART TYPE

Other

CONDITIONS OF ACCEPTABILITY

UL unlisted component,
CSA Investigated
Component, (UL/CSA)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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