DATASHEET - EMA91

S8x1+ soft starter, DIM

Part no.	**EMA91**
	144570
EL Number (Norway)	**4137518**

General specifications

Product name	Eaton S811 control panel
Part no.	EMA91
EAN	4015081410804
Product Length/Depth	190.5 millimetre
Product height	114.3 millimetre
Product width	114.3 millimetre
Product weight	0.151 kilogram
Certifications	CSA File No.: LR 353 IEC/EN 60947-4-2 CSA-C22.2 No. 14 UL File No.: E202571 CE UL 508
Product Tradename	S811
Product Type	Accessory
Product Sub Type	Control panel

Features & Functions

Fitted with:	Illuminated LCD display Control buttons and function keys

General information

Accessory/spare part type	Other
Conditions of acceptability	UL unlisted component, CSA Investigated Component, (UL/CSA)

Climatic environmental conditions

Ambient operating temperature - min	-30 °C
Ambient operating temperature - max	50 °C

Design verification

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 against electric shock	Does not apply, since the 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.
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.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Accessories/spare parts for electronic motor control and protection device (EC002615)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Electronic motor control and motor protection device / Electronic motor control and motor protection device (accessories) (ecl@ss13-27-37-08-92 [ACO035016])

Type of accessory/spare part			Other
Accessory			Yes
Spare part			No

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