Specifications



Eaton 197227

Eaton Moeller® series EASY Starter package consisting of EASY-E4-UC-12RC1, patch cable and software license for easySoft

General specifications	
PRODUCT NAME	Eaton Moeller® series EASY Starter kit
CATALOG NUMBER	197227
MODEL CODE	EASY-BOX-E4-UC1
EAN	4015081939398
PRODUCT LENGTH/DEPTH	200 mm
PRODUCT HEIGHT	135 mm
PRODUCT WIDTH	255 mm
PRODUCT WEIGHT	0.6 kg
COMPLIANCES	Eaton supports the product until its end of life
CERTIFICATIONS	EN 55011 IEC 60068-2-27 IEC 60068-2-6 IEC/EN 61000-4 EN 55022 IEC/EN 61000-4-2
CATALOG NOTES	depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible

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Ambient conditions, mechanical

DROP AND TOPPLE	50 mm Drop height, Drop to IEC/EN 60068-2-31
MOUNTING POSITION	Horizontal Vertical
SHOCK RESISTANCE	15 g, Mechanical, acc. to IEC/EN61131-2, Half-sinusoidal shock 11 ms, 18 Impacts

Climatic environmental conditions

AIR PRESSURE	795 - 1080 hPa (operation)
ENVIRONMENTAL CONDITIONS	Clearance in air and creepage distances according to EN 50178, UL 508, CSA C22.2, No. 142 Condensation: prevent with appropriate measures
RELATIVE HUMIDITY	5 - 95 % (IEC 60068-2-30, IEC 60068-2-78)

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.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
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	Meets the product standard's requirements.
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	Meets the product standard's requirements.
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.

Electro magnetic compatibility

AIR DISCHARGE	8 kV
CONTACT DISCHARGE	6 kV
IMMUNITY TO LINE-CONDUCTED INTERFERENCE	10 V (according to IEC/EN 61000-4-6)

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:	Basic device Connection cable Control unit Software preinstalled Programming software

General information

INSULATION RESISTANCE	According to EN 50178
MOUNTING METHOD	Top-hat rail fixing (according to IEC/EN 60715, 35 mm) Screw fixing using fixing brackets ZB4-101-GF1 (accessories)
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	2
TYPE	Starter kit

Resources	
APPLICATION NOTES	eaton-easye4-aws-ap050027-en-us.pdf
CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DRAWINGS	eaton-modular-plc-starter-kit-dimensions.eps
INSTALLATION INSTRUCTIONS	eaton-easye4-base-programmable-control-relays-il050020zu.pdf
INSTALLATION VIDEOS	Video easy E4 control relay Control relay easyE4: The new generation
MANUALS AND USER GUIDES	eaton-easye-rtd-advanced-training-gh138-mn050015en-us.pdf eaton-easye-easysoft-training-gh135-mn050014en-us.pdf
MULTIMEDIA	How to process ModbusRTU devices with the EASY-COM-RTU-M1 module on an easyE4? How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4? Handling of the data logger as a ring buffer with the easyE4 using the ST programming language. How to connect the easyE4 to the touch panel XV-102 for easy? - 5 Steps How to connect the Remote Touch Display EASY-RTD to the easyE4? easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator
SALES NOTES	eaton-starterset-easye4-xv100-flyer-fl050009en-en-us.pdf eaton-control-relay-easye4-flyer-fl050007en-en-us.pdf

	eaton-easy-remote-touch-display-flyer-fl048004en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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