

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

Features & Functions

FITTED WITH:	Basic device
	Connection cable
	Control unit
	Software preinstalled
	Programming software

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, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts

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)

General

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

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

10.2.2 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.
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.
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.

Resources

APPLICATION NOTES	eaton-easye4-aws-ap050027-en-us.pdf
BROCHURES	easy E4 control relay-brochure
CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00005057.pdf DA-DC-00005048.pdf
DRAWINGS	eaton-modular-plc-starter-kit-dimensions.eps
INSTALLATION INSTRUCTIONS	IL050020ZU
INSTALLATION VIDEOS	Control relay easyE4: The new generation Video easy E4 control relay
MANUALS AND USER GUIDES	MN050009_EN
MULTIMEDIA	Handling of the data logger as a ring buffer with the easyE4 using the ST programming language. How to process ModbusRTU devices with the EASY-COM-RTU-M1 module on an easyE4? easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator 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? How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?
SALES NOTES	eaton-control-relay-easye4-flyer-fl050007en-us.pdf

[eaton-starterset-easye4-
xv100-flyer-fl050009en-en-
us.pdf](#)

[eaton-easy-remote-touch-
display-flyer-fl048004en-
en-us.pdf](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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