



easyE4 control relay, pre-programmed with 3 functions - impulse relay, staircase timer, astronomical timer, 4 channels, 230 VAC

**Part no. EASY-BOX-E4-AC1-IV
199781**

General specifications		
Product name		Eaton Moeller® series EASY Starter kit
Part no.		EASY-BOX-E4-AC1-IV
EAN		4015081994229
Product Length/Depth		58 millimetre
Product height		90 millimetre
Product width		72 millimetre
Product weight		0.251 kilogram
Compliances		Eaton supports the product until its end of life
Certifications		IEC 60068-2-27 EN 55011 EN 55022 IEC/EN 61000-4-2 IEC 60068-2-6 IEC/EN 61000-4
Product Tradename		EASY
Product Type		Starter kit
Product Sub Type		None
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 Software preinstalled Application Note
General information		
Insulation resistance		According to EN 50178
Mounting method		Screw fixing using fixing brackets ZB4-101-GF1 (accessories) Top-hat rail fixing (according to IEC/EN 60715, 35 mm)
Overvoltage category		III
Pollution degree		2
Type		Starter kit
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
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)
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)
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.

Technical data ETIM 9.0

Programmable logic controllers PLC (EG000024) / SPS-Geräteset (EC002581)		
Elektro-, Automatisierungs- und Prozessleittechnik / Steuerung / Speicherprogrammierbare Steuerung (SPS) / SPS-Geräteset (ecl@ss13-27-24-22-19 [BAA707018])		
Contains function building blocks		No
Contains basic device		Yes
Contains module rack		No
Contains power supply		No
Contains analogue input module		No
Contains analogue output module		No
Contains digital input module		No
Contains digital output module		No
Contains function module		No
Contains technology module		No
Contains communication module		No
Contains memory unit		No
Contains simulation module		No
Contains connection cable		No
Contains control unit		No
Contains monitor		No
Contains programming software		No
Contains engineering software		No
Contains visualization		No
Contains libraries		No
Contains documentation		No
Contains other components		No
Software preinstalled		Yes