

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**

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
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
Fitted with:	Basic device Software preinstalled Application Note
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
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
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)
Air discharge	8 kV
Contact discharge	6 kV
Immunity to line-conducted interference	10 V (according to IEC/EN 61000-4-6)
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 8.0

Industriesteuerungen SPS (EG000024) / Logikmodul (EC001417)		
Elektro-, Automatisierungs- und Prozessleittechnik / Steuerung / Speicherprogrammierbare Steuerung (SPS) / Logikmodul (ecl@ss10.0.1-27-24-22-16 [AKE539014])		
Supply voltage AC 50 Hz	V	
Supply voltage AC 60 Hz	V	
Supply voltage DC	V	
Voltage type of supply voltage		
Switching current	A	
Number of analogue inputs		
Number of analogue outputs		
Number of digital inputs		
Number of digital outputs		
With relay output		No
Number of HW-interfaces industrial Ethernet		
Number of interfaces PROFINET		
Number of HW-interfaces RS-232		
Number of HW-interfaces RS-422		
Number of HW-interfaces RS-485		
Number of HW-interfaces serial TTY		
Number of HW-interfaces USB		
Number of HW-interfaces parallel		
Number of HW-interfaces Wireless		
Number of HW-interfaces other		
With optical interface		No
Supporting protocol for TCP/IP		No
Supporting protocol for PROFIBUS		No
Supporting protocol for CAN		No
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for Modbus		No
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		No
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		No
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No

Supporting protocol for Foundation Fieldbus			No
Supporting protocol for EtherNet/IP			No
Supporting protocol for AS-Interface Safety at Work			No
Supporting protocol for DeviceNet Safety			No
Supporting protocol for INTERBUS-Safety			No
Supporting protocol for PROFIsafe			No
Supporting protocol for SafetyBUS p			No
Supporting protocol for other bus systems			No
Radio standard Bluetooth			No
Radio standard Wi-Fi 802.11			No
Radio standard GPRS			No
Radio standard GSM			No
Radio standard UMTS			No
IO link master			No
Redundancy			No
With display			No
Degree of protection (IP)			
Basic device			No
Expandable			No
Expansion device			No
With time switch clock			No
Rail mounting possible			No
Wall mounting/direct mounting			No
Front built-in possible			No
Rack-assembly possible			No
Suitable for safety functions			No
SIL according to IEC 61508			
Performance level according to EN ISO 13849-1			
Appendant operation agent (Ex ia)			No
Appendant operation agent (Ex ib)			No
Explosion safety category for gas			
Explosion safety category for dust			
Width		mm	72
Height		mm	90
Depth		mm	58