DATASHEET - EASY-BOX-E4-UC1

Part no.

Catalon No



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

EASY-BOX-E4-UC1

197227



Catalog No. 197227				
Delivery program				
Supply voltage			12/24 V DC	
			24 V AC	
Software			EASYSOFT-SWLIC/easySoft 7	
Technical data				
General				
Standards			EN 61000-6-2 EN 61000-6-3 IEC 60068-2-6 IEC 60068-2-27 IEC 60068-2-30 IEC 61131-2 EN 61010 EN 50178	
Mounting			Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)	
Terminal capacities				
Solid		mm ²	0.2/4 (AWG 22 - 12)	
Flexible with ferrule		mm ²	0.2/2.5 (AWG 22 - 12)	
Climatic environmental conditions				
Operating ambient temperature		°C	-25 to 55, cold as per IEC 60068-2-1, heat as per IEC 60068-2-2	
Condensation			Take appropriate measures to prevent condensation	
LCD display (clearly legible)		°C	0 - 55	
relative humidity		%	in accordance with IEC 60068-2-30, IEC 60068-2-78 5 - 95	
Air pressure (operation)		hPa	795 - 1080	
Ambient conditions, mechanical				
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20	
Vibrations		Hz	In accordance with IEC 60068-2-6 constant amplitude 0.15 mm: 10 - 57 constant acceleration 2 g: 57 - 150	
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	18	
Drop to IEC/EN 60068-2-31	Drop height	mm	50	
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3	
Mounting position			Vertical or horizontal	
Electromagnetic compatibility (EMC)				
Overvoltage category/pollution degree			111/2	
Electrostatic discharge (ESD)				
applied standard			according to IEC EN 61000-4-2	
Air discharge		kV	8	
Contact discharge		kV	4	
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10	
Insulation resistance				
Clearance in air and creepage distances			nach EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201	
Insulation resistance			per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201	
Back-up of real-time clock				
Accuracy of real-time clock to inputs		s/day	typ. ± 2 (± 0.2 h/Year)	
			depending on ambient air temperature fluctuations of up to \pm 5 s/day (± 0.5 h/year) are possible	

Design verification as per IEC/EN 61439

Te	chnical data for design verification
	Static heat dissipation, non-current-dependent

P_{vs} W

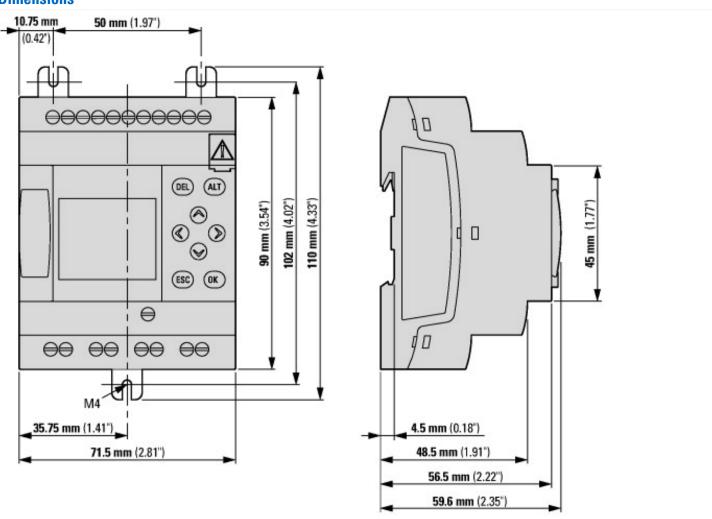
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perating ambient temperature max. Image: Constant of the stability of enclosures N 61439 design verification Image: Constant of the stability of enclosures 10.2.2 Corrosion resistance Image: Constant of the stability of enclosures	°C	55	
10.2.2 Strength of materials and parts 10.2.2 Corrosion resistance			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.	
		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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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.	
0.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.	
0.4 Clearances and creepage distances		Meets the product standard's requirements.	
0.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.	
0.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.	
0.7 Internal electrical circuits and connections		Is the panel builder's responsibility.	
0.8 Connections for external conductors		Is the panel builder's responsibility.	
0.9 Insulation properties			
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.	
0.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.	
0.11 Short-circuit rating		Is the panel builder's responsibility.	
0.12 Electromagnetic compatibility		Is the panel builder's responsibility.	
0.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	

Degree of Protection

IEC: IP20, UL/CSA Type: -

Dimensions



Additional product information (links)

assembly instructions	easyE4	IL050020ZU
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assembly instructions easyE4 IL050020ZU

easyE4 (MN050009) manual

easyE4 – Handbuch (MN050009) - Deutsch easyE4 (MN050009) manual - English ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_DE.pdf

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL050020ZU.pdf

ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_EN.pdf