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

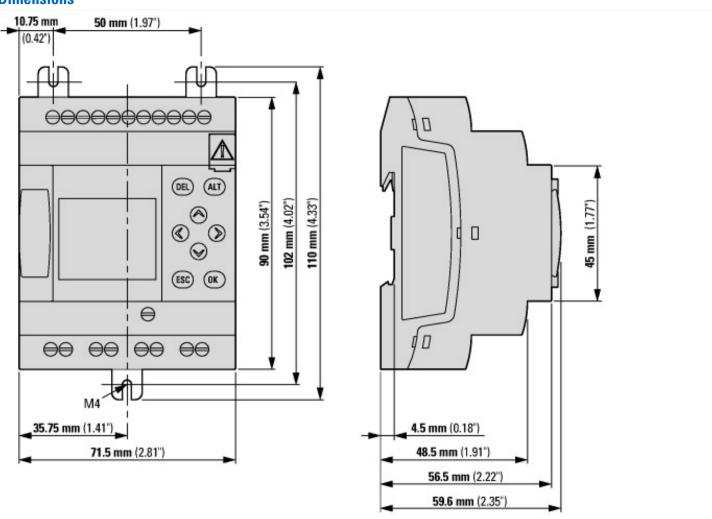
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| perating ambient temperature max. Image: Constant of the stability of enclosures N 61439 design verification Image: Constant of the stability of enclosures 10.2.2 Corrosion resistance Image: Constant of the stability of enclosures | °C | 55 | |
|--|----|--|--|
| 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 |
|-----------------------|--------|------------|
|-----------------------|--------|------------|

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