

Siemens  
EcoTech



LOGO! 230RCEo, logic module, power supply / I/O: 115 V/230 V/relay, 8 DI/4 DO, without display, memory 400 blocks, modularly expandable, Ethernet, integrated web server, data log, user-defined web pages, standard microSD card for LOGO! Soft Comfort V8.4 or higher, older projects executable cloud connection, MQTT in all LOGO! 8.4 basic unit



| Installation type/mounting                       |   |
|--|---|
| Mounting   | on 35 mm DIN rail, 4 spacing units wide                                       |
| Supply voltage                                   |   |
| Rated value (DC)                                 |   |
| • 115 V DC                                       | Yes   |
| • 230 V DC                                       | Yes; 240 V DC   |
| permissible range, lower limit (DC)              | 100 V   |
| permissible range, upper limit (DC)              | 253 V   |
| Rated value (AC)                                 |   |
| • 115 V AC                                       | Yes   |
| • 230 V AC                                       | Yes; 240 V AC   |
| Line frequency                                   |   |
| • permissible range, lower limit                 | 47 Hz   |
| • permissible range, upper limit                 | 63 Hz   |
| Time of day                                      |   |
| Time switching clocks                            |   |
| • Number   | 400; Max. 400, function-specific  |
| • Power reserve                                  | 480 h   |
| Digital inputs                                   |   |
| Number of digital inputs                         | 8   |
| Digital outputs                                  |   |
| Number of digital outputs                        | 4; Relays   |
| Short-circuit protection                         | No; external fusing necessary   |
| Relay outputs                                    |   |
| Switching capacity of contacts                   |   |
| — with inductive load, max.                      | 3 A   |
| — with resistive load, max.                      | 10 A  |
| EMC  |   |
| Emission of radio interference acc. to EN 55 011 |   |
| • Limit class B, for use in residential areas    | Yes; Radio interference suppression according to EN55011, Limit Value Class B |
| Standards, approvals, certificates               |   |
| Siemens Eco Profile (SEP)                        | Siemens EcoTech   |
| CE mark  | Yes   |
| CSA approval                                     | No; covered by UL cert  |
| UL approval                                      | Yes   |
| FM approval                                      | Yes   |

|  |                     |
|--|---------------------|
| developed in accordance with IEC 61131                         | Yes                 |
| according to VDE 0631  | Yes                 |
| Marine approval  | Yes; in preparation |
| <b>Ecological footprint</b>                                    |                     |
| • environmental product declaration                            | Yes                 |
| <b>Global warming potential</b>                                |                     |
| — global warming potential, (total) [CO2 eq]                   | 124 kg              |
| — global warming potential, (during production) [CO2 eq]       | 9.93 kg             |
| — global warming potential, (during operation) [CO2 eq]        | 115 kg              |
| — global warming potential, (after end of life cycle) [CO2 eq] | -0.383 kg           |

**Ambient conditions**

|   |                         |
|---|-------------------------|
| <b>Ambient temperature during operation</b> |                         |
| • min.                                      | -20 °C; No condensation |
| • max.                                      | 55 °C                   |

|  |        |
|--|--------|
| <b>Ambient temperature during storage/transportation</b> |        |
| • min.   | -40 °C |
| • max.   | 70 °C  |

|  |  |
|--|--|
| <b>Altitude during operation relating to sea level</b> |  |
| • Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m) |

**Dimensions**

|        |         |
|--------|---------|
| Width  | 71.5 mm |
| Height | 90 mm   |
| Depth  | 58 mm   |

**Classifications**

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-24-22-16    |
| eClass | 12      | 27-24-22-16    |
| eClass | 9.1     | 27-24-22-16    |
| eClass | 9       | 27-24-22-16    |
| eClass | 8       | 27-24-22-16    |
| eClass | 7.1     | 27-24-22-16    |
| eClass | 6       | 27-24-22-16    |
| ETIM   | 10      | EC001417       |
| ETIM   | 9       | EC001417       |
| ETIM   | 8       | EC001417       |
| ETIM   | 7       | EC001417       |

**Approvals / Certificates**

**General Product Approval**



[Manufacturer Declaration](#)



[KC](#)

**For use in hazardous locations**      **Maritime application**



[FM](#)



**Maritime application**      **Environment**



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