



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                                            |
| Ecological footprint                                           |                                                                |
| • environmental product declaration                            | Yes                                                            |
| Global warming potential                                       |                                                                |
| — 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                                             |                                                                |
| Ambient temperature during operation                           |                                                                |
| • min.                                                         | -20 °C; No condensation                                        |
| • max.                                                         | 55 °C                                                          |
| Ambient temperature during storage/transportation              |                                                                |
| • min.                                                         | -40 °C                                                         |
| • max.                                                         | 70 °C                                                          |
| Altitude during operation relating to sea level                |                                                                |
| • 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



[FM](#)



##### Maritime application

##### Maritime application



[NK / Nippon Kaiji Kyokai](#)

[CCS \(China Classification Society\)](#)



##### Environment

