

**Siemens  
EcoTech**



LOGO! 12/24RCE, logic module, display power supply / I/O: 12/ 24 V DC/relay, 8 DI (4 AI)/4 DO, 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 units



| Display                                                 |                                                                               |
|---------------------------------------------------------|-------------------------------------------------------------------------------|
| with display                                            | Yes                                                                           |
| Installation type/mounting                              |                                                                               |
| Mounting                                                | on 35 mm DIN rail, 4 spacing units wide                                       |
| Supply voltage                                          |                                                                               |
| Rated value (DC)                                        |                                                                               |
| • 12 V DC                                               | Yes                                                                           |
| • 24 V DC                                               | Yes                                                                           |
| permissible range, lower limit (DC)                     | 10.8 V                                                                        |
| permissible range, upper limit (DC)                     | 28.8 V                                                                        |
| Time of day                                             |                                                                               |
| Time switching clocks                                   |                                                                               |
| • Number                                                | 400; Max. 400, function-specific                                              |
| • Power reserve                                         | 480 h                                                                         |
| Digital inputs                                          |                                                                               |
| Number of digital inputs                                | 8; Of which 4 can be used in analog mode (0 to 10 V)                          |
| Digital outputs                                         |                                                                               |
| Number of digital outputs                               | 4; Relays                                                                     |
| Short-circuit protection                                | No; external fusing necessary                                                 |
| Output current                                          |                                                                               |
| • for signal "1" permissible range for 0 to 55 °C, max. | 10 A                                                                          |
| 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                      |                                                                               |
| 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]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 51.5 kg                                                        |         |                                |
| — global warming potential, (during production) [CO2 eq]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 9.64 kg                                                        |         |                                |
| — global warming potential, (during operation) [CO2 eq]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 42.1 kg                                                        |         |                                |
| — global warming potential, (after end of life cycle) [CO2 eq]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | -0.364 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | 60 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                                                           | 9       | EC001417                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ETIM                                                           | 8       | EC001417                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ETIM                                                           | 7       | EC001417                       |
| Approvals / Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                |         |                                |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                |         | For use in hazardous locations |
| <div><div><br/>EG-Konf.</div><div></div><div><br/>UL</div><div><br/>RCM</div><div><a href="#">KC</a></div><div><br/>CQC</div></div> |  |                                                                |         |                                |
| For use in hazardous locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                |         |                                |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                |         |                                |
| <div><div><a href="#">FM</a></div><div><br/>ABS</div><div><br/>DNV</div><div><br/>LRS</div><div><a href="#">NK / Nippon Kaiji Kyokai</a></div><div><a href="#">CCS (China Classification Society)</a></div></div>                                                                                           |  |                                                                |         |                                |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                |         |                                |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                |         |                                |
| <div><div><br/>KOREAN REGISTER</div><div><br/>Siemens EcoTech</div><div><br/>EPD</div></div>                                                                                                                                                                                                                |  |                                                                |         |                                |

