

Technical data

ProNumeric OP 50 M



EtherCAT® and Sercos® III Interface

Optimized human-machine interaction employing the Sercos® III and EtherCAT® real-time field bus systems, combined in one single hand-held control device, finally makes it possible to connect said device to the controls of different manufacturers.

The OP 50 M is the only compact hand-held control device in the world, operating with Sercos® III and EtherCAT®. The web visualization technology allows for open configuration of the user interface. In sequence, one device can be operated at multiple locations of one production site by way of a special interface for different machine controls. An integrated flashlight allows for pointed illumination of the work area and the compact design makes for easy and flexible handling.

Product features

Hand-wheel

- + High-resolution hand-wheel with 100 increments per rotation
- + Easy-grip dial with accurate, incremental ratcheting
- + Transmission of hand-wheel data in real time to ensure jerk-free machine movements

Keypad

- + Robust membrane keypad with real-time capable function keys

Emergency stop switch

- + Dual-channel emergency stop knob - DIN 60204 certified
- + Connection for safety-compliant wiring on the gateway module
- + Linked to Schleicher-proprietary SNO 4062 safety switch device

Casing

- + Robust housing material with superior grip and feel

Trigger push-button

- + Real-time signal for control processing
- + Enabling switch upon request

Interfaces

- + Link to Ethernet controls, using either Sercos® III or EtherCAT® real-time protocols
- + Connection and selection of the interface via gateway module

Visualization

- + Web visualization technology for individual ergonomic and intuitive user interfaces
- + Integrated web browser for flexible configuration of visualization
- + User interface can be generated with corresponding software tool

System requirements

- + Controls operating with EtherCAT® (manufacturer list available on request)
- + All Schleicher systems operating with Sercos® III

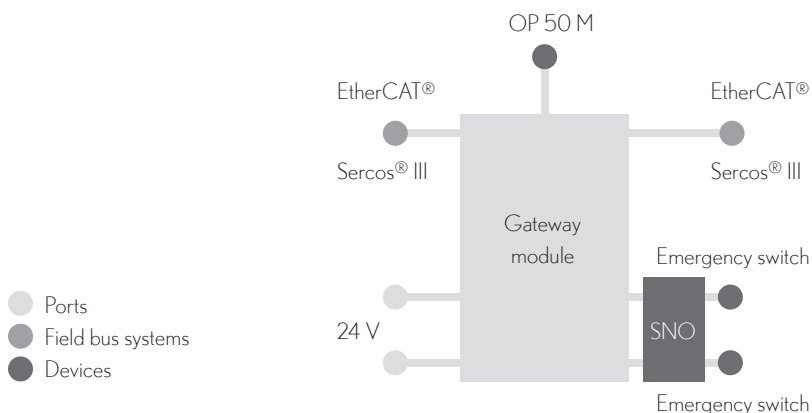
Gateway module

- + For connection of the ProNumeric OP 50 M
- + Switch for selection of real-time bus

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Display	TFT, Resistive touch, Portrait format Diagonal 5" (12,7 cm), 480 x 800 Pixel Color resolution 64 k, Brightness 300 cd/m ²
Background lighting	LED, Half brightness time > 10,000 h
LED Flashlight	Approx. 1 W
Cable	Light, highly flexible and coiled cable Can be extended up to a length of approx. 5 m (approx. 16 ft)
Maintenance	Maintenance free device without batteries
Operating temperature	5 ... 45°C (41 ... 113°F)
Protection class	IP 54
Housing-dimensions	
Hand-held device	L 249.0 x W 90.0 x H 46.0 mm / L 9.8 x W 3 ½ x H 1.8 in
Gateway module	L 121.0 x W 22.5 x H 106.5 mm / L 4.5 x W 0.9 x H 3.8 in for top-hat rail mounting
Safety switch device SNO 4062	L 114.5 x W 22.5 x H 96.5 mm / L 4.5 x W 0.9 x H 3.8 in for top-hat rail mounting



About Schleicher

Schleicher Electronic is a leading provider of automation solutions and the only controls provider owning a proprietary NC kernel catering to medium-sized companies for use of the controls in the manufacture of machines and plants. Since its foundation in 1937, Schleicher has been standing for quality, innovation and experience: What began in 1958 with the invention of the time relay was perpetuated with the development in 1985 of the proprietary NC kernel and with the company's own programming and production of customized control systems.

This company's longstanding tradition in innovation has its origin in Berlin, a major worldwide science hub; Cooperative projects with internationally renowned research institutes ensure constant inspiration for new developments, giving Schleicher Electronic that decisive edge in the area of complex, high performance industrial applications. The company's four core competencies include high-performance control systems, relays, electronic engineering services (EES) and electronic manufacturing services (EMS). Featuring roughly 90 employees, Schleicher Electronic does its manufacturing exclusively in Berlin. Schleicher solutions are in use worldwide.

Schleicher's product portfolio

- + Control Systems
- + Relays
- + Electronic Engineering Services
- + Electronic Manufacturing Services