Press Release

⑤.SCHURTER
ELECTRONIC COMPONENTS

CDS1 – Configurable Display Switch

SCHURTER is launching a new generation of intelligent input systems with capacitive touch technology. The intuitive operation with the touch of a finger stroke, wipe or rotation on the touchscreen conveniently resembles that of a smartphone. It delightfully responds to the visual taste and selection wishes of the customer.

Fully configurable
The user decides what is displayed. Then, with a wipe of the bright round OLED display, the selection can be activated. Tap the home LED to return to the home screen. Hard image change, gentle fade-in and fade-out - it has complete creative flexibility with all functions being fully configurable.

The same flexibility is enjoyed with regard to the layout of the glass screen. Any symbols on the softkeys are possible. Accentuate the overall visual appearance of the switch by means of an added aluminum decorative ring.

Mass storage
The ground-breaking capacitive CDS1 has an internal mass storage, on which all images, graphics and animations can be loaded via Micro USB 2.0 interface.

Machine control
Standard interfaces I2C, SPI or RS232 are available for communication between the CDS1 and the customer's machine control.

Assembly
The CDS1 is mounted on the front panel from the rear. A special mounting ring with screws is available for this purpose. If the supplied O-ring is used, an IP protection of IP67 is achieved, without a seal ring its IP40.

Plug-and-Play
Plug-and-Play: this is the motto for the CDS1. Unpack, connect and immediately using the machine simulator (Windows) provided. It can't be easier. With the CDS1, SCHURTER introduces its first model of a pioneering new generation of human-machine interfaces.

USPs

- **Configurable Input System**
- **Full Size Touchscreen**
- **Round shaped OLED Display**
- **Plug and Play**

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Technical Data

- Power supply voltage: 3.3 VDC
- Display: 16 bit color OLED, 128 x 128 pixel
- Touch screen: full-size PCAP
- Touch functions: rotation, swipe, tap
- Integrated memory: 4 MB, Micro USB-B 2.0 port
- Supported interfaces I2C, SPI, RS232
- Operating temperature: -20 °C to +60 °C
- Operation system for Simulator Windows 7 and higher
- Operation system for CDS1 no operating system required

Applications

- Industrial machinery
- Vending and ticketing machines
- POS terminals
- Professional electronic equipment
- Food service and processing equipment
- Laboratory equipment
- Premium white goods

Internet

Configurable Input Device CDS1 [1]
Datasheet CDS1 [2]

Company

SCHURTER is an internationally leading innovator and manufacturer of electric and electronic components. The company focuses on safe power supply and easy-to-use equipment. Its extensive product portfolio comprises standard solutions in the fields of circuit protection, plugs and connectors, EMV products, switches, input systems and electronic manufacturing services. SCHURTER's global network of representative offices ensures reliable delivery and professional customer service. Where standard products are unsuitable, the company develops client-specific solutions.

Contact

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[1]: http://www.schurter.com/ CDS1
[2]: http://www.schurter.com/en/datasheet/CDS1

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