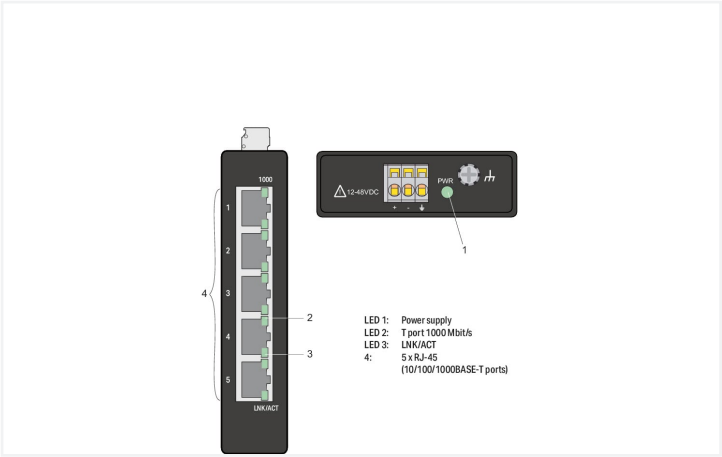




Color: ■ black







This unmanaged industrial ETHERNET switch (852-1111/000-001) has five ETHERNET ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration and shock resistance. Additionally, automatic transmission rate detection (auto-negotiation) and automatic identification of the transmit and receive lines (Auto MDI-X) allow simple plug-and-play operation, saving time and money during commissioning.

Features:

- 5 ETHERNET ports 10/100/1000 Mbit/s Autonegotiation
- Front-panel diagnostic LEDs
- Supports Auto-MDI/MDI-X functions
- Full/half-duplex transfer modes for each port
- Store-and-forward switching method
- Integrated address look-up table, supports 2000 absolute MAC addresses
- Overvoltage protection
- IEEE 802.3x flow control in full-duplex mode
- Prioritization of PROFINET® data packets (EtherType=0x8892) per IEEE802.1p
- DIN-35 rail mounting

| Technical data             |                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Switching mode             | Store-and-forward; non-blocking                                                                                                    |
| Number of 1 Gb/s ports     | 5                                                                                                                                  |
| Communication standards    | IEEE 802.3 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3ab 1000BASE-T<br>IEEE 802.3x Flow Control<br>IEEE 802.1p Prioritization |
| MAC table (size)           | 2000 addresses                                                                                                                     |
| Jumbo frame size           | 9216 bytes                                                                                                                         |
| Supply voltage             | 12 ... 48 VDC; (±15 %); 24 ... 48 VDC (UL)                                                                                         |
| Power consumption (max.)   | 4 W                                                                                                                                |
| Current consumption (max.) | 200 mA                                                                                                                             |
| Transmission rate          | Copper cable: 10/1000 Mbit/s                                                                                                       |
| Topology                   | Star                                                                                                                               |
| Indicators                 | Device: LED (PWR) green: Power supply; per port: LED (100, 1000) green: Status 100 Mbps, 1000 Mbps ports 1 ... 5                   |



| Connection data                               |                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Connection technology: communication/fieldbus | Copper cable: 5 x RJ-45                                                                                   |
| Connection technology: supply                 | 1 x Built-in male connector: 231-433/001-000; included female connector (MCS Connectors): 231-103/026-000 |

| Physical data                     |                         |
|-----------------------------------|-------------------------|
| Width                             | 23.4 mm / 0.921 inches  |
| Height                            | 109.2 mm / 4.299 inches |
| Depth                             | 73.8 mm / 2.906 inches  |
| Depth from upper-edge of DIN-rail | 81 mm / 3.189 inches    |

| Mechanical data    |             |
|--------------------|-------------|
| Weight             | 203 g       |
| Color              | black       |
| Housing material   | Sheet steel |
| Conformity marking | CE          |

| Environmental requirements               |                    |
|------------------------------------------|--------------------|
| Ambient temperature (operation)          | -40 ... +70 °C     |
| Ambient temperature (storage)            | -40 ... +85 °C     |
| Protection type                          | IP30               |
| Relative humidity (without condensation) | 95 %               |
| Mounting type                            | DIN-35 rail        |
| Vibration resistance                     | per IEC 60068-2-6  |
| Shock resistance                         | per IEC 60068-2-27 |
| Fire load                                | 0 MJ               |

| Commercial data       |               |
|-----------------------|---------------|
| ETIM 9.0              | EC000734      |
| ETIM 8.0              | EC000734      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | TW            |
| GTIN                  | 4066966254990 |
| Customs tariff number | 85176200000   |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

| Approvals / Certificates                                                                                                                                                                                                                                   |                        |                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------|
| General approvals                                                                                                                                                                                                                                          |                        | General approvals                                                                              |
|    |                        | UL<br>Underwriters Laboratories<br>Inc. (ORDINARY LOCATI-<br>ONS)<br>UL 61010-2-201<br>E175199 |
| Approval                                                                                                                                                                                                                                                   | Standard               | Certificate Name                                                                               |
| EAC<br>GZO Almaty Standart                                                                                                                                                                                                                                 | TP TC 020/2011         | EAC CoC 03083                                                                                  |
| KC<br>National Radio Research<br>Agency                                                                                                                                                                                                                    | Article 58-2, Clause 3 | MSIP-REM-W43-ISW852                                                                            |



Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Downloads

Environmental Product Compliance

| Compliance Search                                       |
|---------------------------------------------------------|
| Environmental Product<br>Compliance<br>852-1111/000-001 |



Documentation

| Manual                                                                                   |
|------------------------------------------------------------------------------------------|
| Product Manual Indus-<br>trial-ECO-Switch;<br>V 1.0.0<br>25.10.2022<br>pdf<br>3170.65 KB |



CAD/CAE-Data

| CAD data                         |
|----------------------------------|
| 2D/3D Models<br>852-1111/000-001 |

