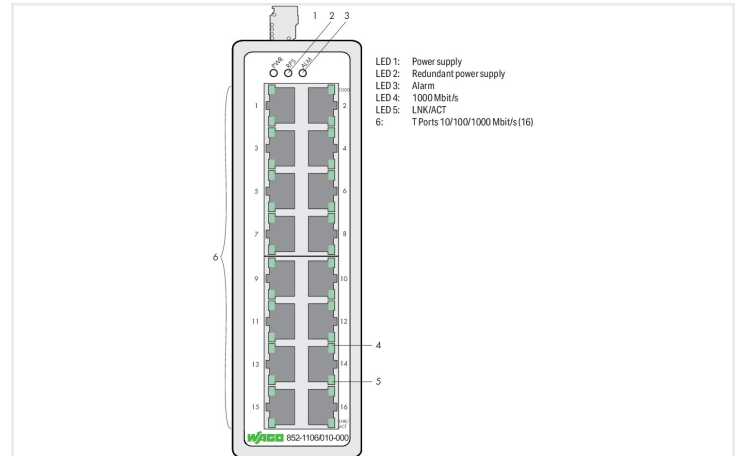


| : 852-1106/010-000

Industrial-Switch; 16 Ports 1000Base-T; Extended temperature range; black metallic



<https://www.wago.com/852-1106/010-000>



: ■ black metallic

The 852-1106/010-000 Switch is an industrial unmanaged ETHERNET switch with 16 Gigabit 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, helping save time and money during commissioning.

Status LEDs, a redundant power supply and an alarm contact (configurable via DIP switch) increase the switch's redundancy and diagnostic capabilities, providing higher operational uptime.

Features:

- Redundant DC power supply
- Wide supply voltage range: 12 ... 60 VDC
- DIP switches to set alarm functions
- Full compliance with IEEE 802.3, 802.3u and 802.3ab standards
- Non-blocking, store-and-forward switching
- Auto-negotiation at all 10/100/1000BASE-T ports
- Auto-MDI/MDIX (crossover) at all 10/100/1000BASE-T ports
- Integrated address look-up table, supports up to 8000 absolute MAC addresses
- Overvoltage protection
- Prioritization of PROFINET ETHERNET data packets (EtherType=0x8892) per IEEE802.1p

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 1 Gbit/s ports	16
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p Prioritization
Redundancy function	Redundant DC power supply
Configuration options	DIP switch for signal contact
Diagnostics	Signal contact
MAC table (size)	8000 addresses
Jumbo frame size	10000 bytes
Supply voltage	12 ... 60 VDC
Power consumption (max.)	12 W
Baud rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Controls	2 x DIP switch: Alarm function power supplies
Indicators	Device: LED (PWR, RPS) green: Power supply (primary), redundant power supply (secondary); LED (ALM) red: Alarm; per port: LED (1000, LNK/ACT) green: Status 1000 Mbps, LNK/ACT ports 1 ... 16

Connection data

Connection technology: communication/fieldbus	Copper cable: 16 x RJ-45
Connection technology: supply	1 x Built-in male connector: 231-436/001-000; included female connector (MCS Connectors): 2231-106/026-000

Physical data

Width	50 mm / 1.969 inches
Height	162 mm / 6.378 inches
Depth	120 mm / 4.724 inches

Mechanical data

Weight	840 g
Color	black metallic
Housing material	Aluminum
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-10 ... +70 °C
Surrounding air temperature (storage)	-40 ... +80 °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
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4
Fire load	0 MJ

Commercial data

PU (SPU)	1 Pieces
Packaging type	Box
Country of origin VKOrg Germany	TW
GTIN	4055144122374
Customs tariff number VKOrg Germany	8517620000

Approvals and certificates

UL-Approvals



UL
Underwriters Laboratories
Inc. (ORDINARY LOCATIONS)

UL 61010-2-201

E175199

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
852-1106/010-000



Documentation

Manual

16-Port 1000BASE-T Industrial Switch V 1.0.0 06.07.2021 pdf 2549.47 KB



System Description

Industrial Switches – General Product Information pdf 1873.93 KB



Additional Information

Disposal; Electrical and electronic equipment, Packaging V 1.0.0 pdf 259.56 KB



CAD/CAE-Data

CAD data

2D/3D Models
852-1106/010-000



1 Compatible products

1.1 Optional accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



[: 750-979/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



[: 750-979/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief



[: 750-979/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



[: 750-979/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



[: 750-977/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



[: 750-978/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



[: 750-977/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



[: 750-978/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



[: 750-977/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



[: 750-978/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



[: 750-977/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



[: 750-978/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



[: 750-979/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief



[: 750-977/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22



[: 750-978/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief



[: 750-976](#)
PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

1.1.2 Interface module

1.1.2.1 Interface module



: 289-195

Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

1.1.3 Power supply

1.1.3.1 Power supply unit



: 787-1602

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1 A output current; NEC Class 2; DC OK signal



: 787-1632

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact



: 787-1606

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 2 A output current; NEC Class 2; DC OK signal



: 787-1622

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; DC OK contact



: 787-1102

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC-OK LED



: 787-1112

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED



: 787-1122

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC-OK LED



: 787-1702

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current; DC-OK LED



: 787-1712

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED



: 787-1722

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED