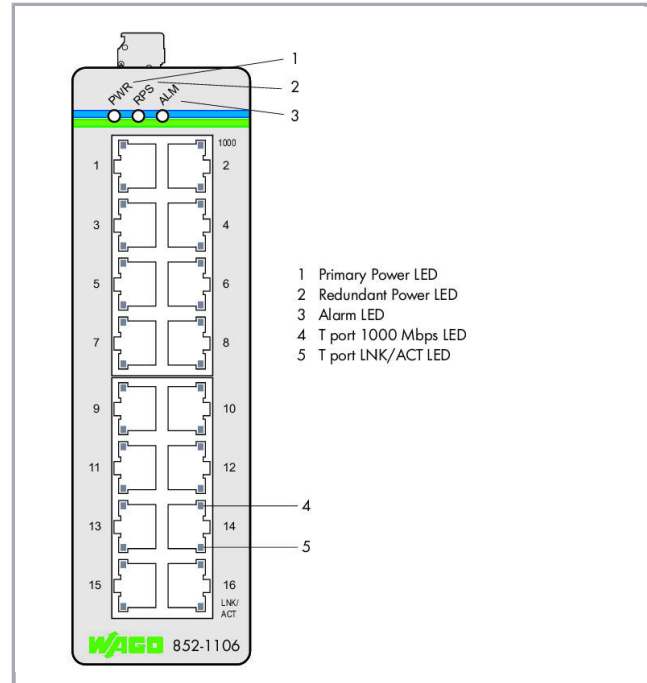


Data sheet | Item number: 852-1106

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



www.wago.com/852-1106



Subject to changes. Please also observe the further product documentation!

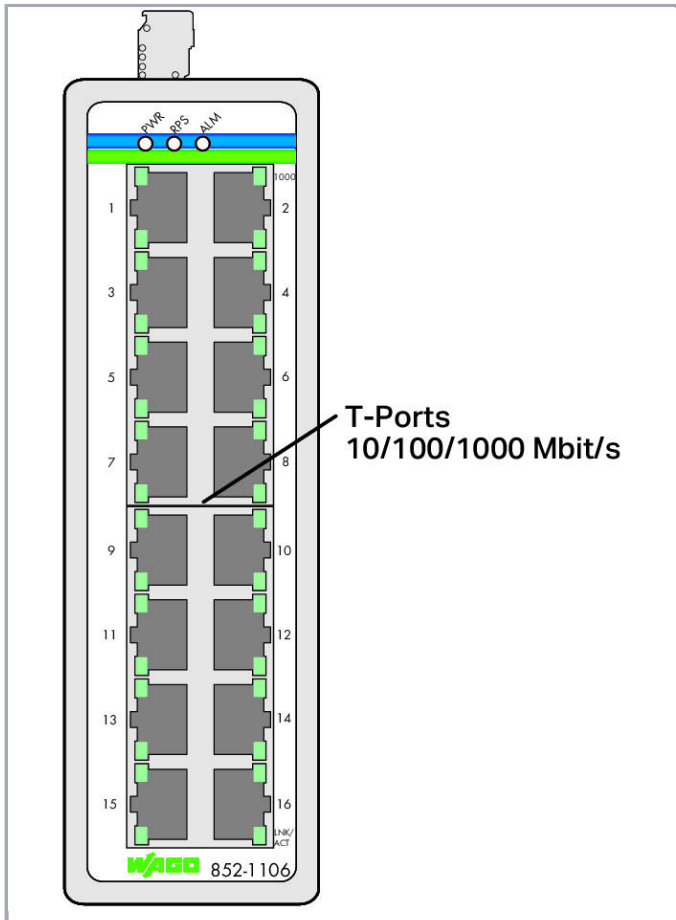
WAGO Kontakttechnik GmbH & Co. KG
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RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



Item description

The 852-1106 Industrial Switch is a 16-port 10/100/1000Base-T ETHERNET switch.

The switch has a rugged metal housing, redundant power supply and function monitoring with a relay. These functions and an operating range of -40 to +70°C make it ideal for a wide range of industrial applications.

Features:

- Redundant DC power supply
- Wide supply voltage range: 12 ... 60 VDC
- DIP switches to set alarm functions

—
Subject to changes. Please also observe the further product documentation!



- Full compliance with IEEE 802.3, 802.3u and 802.3ab standards
- Non-blocking, store-and-forward switching
- Autonegotiation 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

Data

Technical Data

Switching mode	Store-and-forward; non-blocking
Number of 1000Base-T 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. Byte
Supply voltage	DC 12 ... 60 V
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

Subject to changes. Please also observe the further product documentation!



Geometrical Data

Width	50 mm / 1.969 inch
Height	162 mm / 6.378 inch
Depth from upper edge of DIN-rail	120 mm / 4.724 inch

Mechanical data

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

Environmental Requirements

Surrounding air temperature (operation)	-40 ... 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

Commercial data

Packaging type	BOX
Country of origin	TW
GTIN	4055143604659
Customs tariff number	85176200000

Counterpart

Compatible products

transfer module

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Item no.: 289-195
Interface module; RJ-45; IDC technology; Cat. 6; in mounting carrier; with shield connection

www.wago.com/289-195

wiring and connectors



Item no.: 750-976
PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

www.wago.com/750-976



Item no.: 750-977/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

www.wago.com/750-977/000-011



Item no.: 750-977/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22

www.wago.com/750-977/000-012



Item no.: 750-977/000-013
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22

www.wago.com/750-977/000-013



Item no.: 750-977/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24

www.wago.com/750-977/000-021



Item no.: 750-977/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24

www.wago.com/750-977/000-022



Item no.: 750-978/000-011
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

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Item no.: 750-978/000-012
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

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Item no.: 750-978/000-021
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

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Item no.: 750-978/000-022
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

www.wago.com/750-978/000-022



Item no.: 750-979/000-011
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

www.wago.com/750-979/000-011

Item no.: 750-979/000-012
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

www.wago.com/750-979/000-012

Subject to changes. Please also observe the further product documentation!



Item no.: 750-979/000-013
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief

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Item no.: 750-979/000-021
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

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Item no.: 750-979/000-022
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

www.wago.com/750-979/000-022

power supply



Item no.: 787-1102
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC OK signal

www.wago.com/787-1102



Item no.: 787-1112
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal

www.wago.com/787-1112



Item no.: 787-1122
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 4 A output current; DC OK signal

www.wago.com/787-1122



Item no.: 787-1602
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1 A output current; NEC Class 2; DC OK signal

www.wago.com/787-1602



Item no.: 787-1606
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 2 A output current; NEC Class 2; DC OK signal

www.wago.com/787-1606



Item no.: 787-1622
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 5 A output current; TopBoost; DC OK contact

www.wago.com/787-1622



Item no.: 787-1632
Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost; DC OK contact

www.wago.com/787-1632



Item no.: 787-1702
Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 1.25 A output current; DC-OK LED

www.wago.com/787-1702



Item no.: 787-1712
Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED

www.wago.com/787-1712



Item no.: 787-1722
Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED

www.wago.com/787-1722

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Manual

16-Port 1000BASE-T Industrial Switch	V 1.1.0 Dec 17, 2019	pdf 1.7 MB	Download
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Bid Text

852-1106 GAEB X81 - Datei	Feb 19, 2019	xml 5.4 kB	Download
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852-1106 GAEB docx - Datei	May 9, 2018	docx 18.4 kB	Download
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System Description

Industrial Switches – General Product Information		pdf 2.0 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 852-1106		URL	Download
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CAE data

EPLAN Data Portal 852-1106		URL	Download
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Installation Notes

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