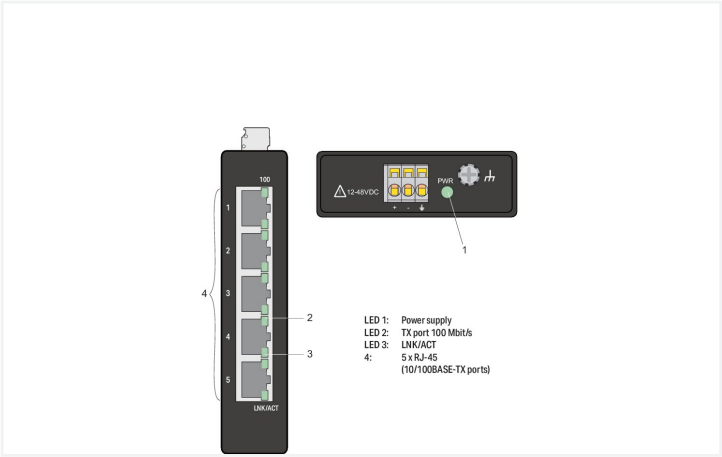




Color: ■ black







This unmanaged industrial ETHERNET switch (852-111/000-001) has 5 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 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 100 Mbit/s ports	5
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.1p Prioritization
MAC table (size)	2000 addresses
Supply voltage	12 ... 48 VDC
Power consumption (max.)	2 W
Baud rate	Copper cable: 10/100 Mbit/s
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (100, LNK/ACT) green: Status 100 Mbps, LNK/ACT port 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	
PU (SPU)	1 pcs
Country of origin	TW
GTIN	4066966216288
Customs tariff number	85176200000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
EAC KC UL			Approval	Standard	Certificate Name
EAC	TP TC 020/2011	EAC CoC 03083	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KC	Article 58-2, Clause 3	MSIP-REM-W43-ISW852	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL	UL 61010-2-201	E175199			
Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)					



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
852-111/000-001

↓

Documentation

Manual

Product Manual Industrial ECO Switch
V 1.2.0
24.03.2023
pdf
5038.29 KB
↓

System Description

Industrial Switches – General Product Information
pdf
1873.93 KB
↓

Bid Text

0852-0111/0000-0001
docx
27.43 KB
↓

0852-0111/0000-0001
xml
6.45 KB
↓

CAD/CAE-Data

CAD data

2D/3D Models
852-111/000-001
↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



[Item No.: 750-979/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief



[Item No.: 750-978/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief



[Item No.: 750-979/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief



[Item No.: 750-979/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief



[Item No.: 750-977/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22



[Item No.: 750-978/000-011](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief



[Item No.: 750-977/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24



[Item No.: 750-978/000-021](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief



[Item No.: 750-977/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22



[Item No.: 750-978/000-012](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief



[Item No.: 750-977/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24



[Item No.: 750-978/000-022](#)
Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief



[Item No.: 750-979/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief



[Item No.: 750-977/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22



[Item No.: 750-978/000-013](#)
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief



[Item No.: 750-975](#)
ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

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1.1.1.1 Connector plug



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

1.1.2 Interface module

1.1.2.1 Interface module



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



Item No.: 289-175
Interface module; RJ-45; PCB terminal blocks, double-row; Cat. 5; in mounting carrier; with shield connection; with shield clamping saddle; 1,50 mm²



Item No.: 289-172
Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier



Item No.: 289-196
Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5

1.1.3 Power supply

1.1.3.1 Power supply unit



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



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



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



Item No.: 787-1226
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED



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



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



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

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

Current addresses can be found at: www.wago.com