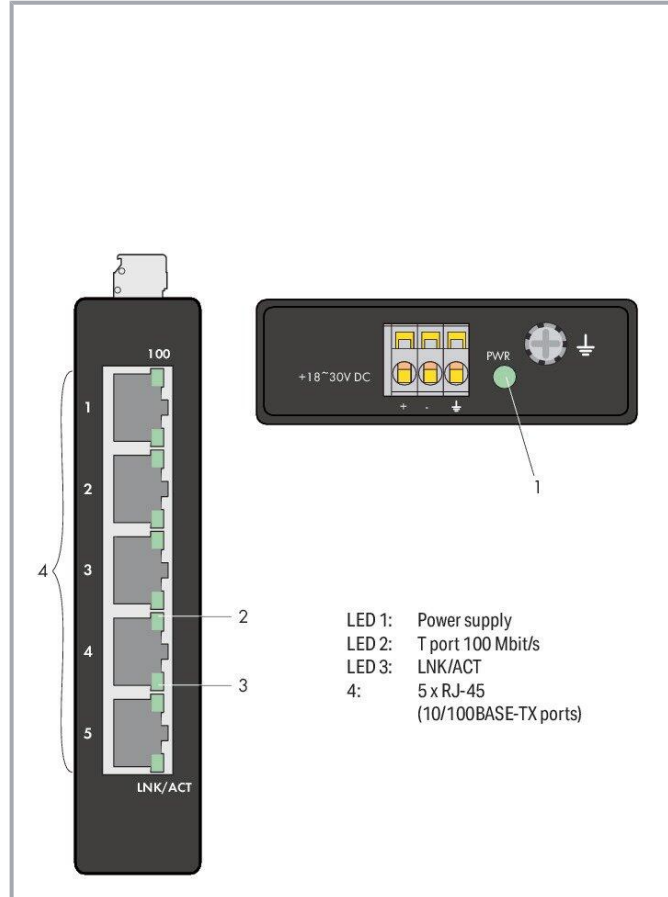




Color: ■



Successor model



Item no.852-112/000-001
Industrial-ECO-Switch; 8-port 100Base-TX; black

www.wago.com/852-112/000-001

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



Item no.852-111/000-001

Industrial-ECO-Switch; 5-port 100Base-TX; black

www.wago.com/852-111/000-001

Item description

This unmanaged industrial ETHERNET switch (852-111) has five Fast 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
- Data flow control, per IEEE 802.3x Flow Control, in full-duplex mode
- DIN-35 rail mounting

Data

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
MAC table (size)	2000 addresses
Jumbo frame size	1536. Byte
Supply voltage	18 ... 30 VDC
Power consumption (max.)	3 W
ESD (contact/air discharge)	4 KV / 8 KV
Baud rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 or higher, 100 m maximum cable length
Topology	Star
Indicators	Device: LED (PWR) green: Power supply; per port: LED (100, LNK /ACT) green: Status 100 Mbps, LNK/ACT port 1 ... 5

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

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 We are always happy to take your call at +49 (571) 887-44222.



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	302 g
Color	black
Housing material	Sheet steel

Environmental requirements

Ambient temperature (operation)	-40 ... +70 °C (UL max. +60 °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
Fire load	5.28 MJ

Commercial data

Product Group	27 (special components I/O)
eCl@ss 10.0	19-17-01-30
eCl@ss 9.0	19-17-01-06
ETIM 8.0	EC000734
ETIM 7.0	EC000734
PU (SPU)	1 pcs
Packaging type	box
Country of origin	TW
GTIN	4045454847593




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

Customs tariff number


8517620000

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43-ISW852
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.7





Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	DNVGL-CG-339,Nov.2016	TAA0000239

Optional accessories

Cables and pluggable connectors

Connector plug

	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	www.wago.com/750-975
	Item no.: 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	www.wago.com/750-976
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	www.wago.com/750-978/000-012
	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

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

www.wago.com/750-978/000-021



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



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

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

www.wago.com/750-979/000-013



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

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Item no.: 750-978/000-013
Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief

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

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

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

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Interface module






Interface 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
	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 mm ²	www.wago.com/289-175
	Item no.: 289-172 Interface module; RJ-45; RJ-45; Cat. 5; in mounting carrier	www.wago.com/289-172
	Item no.: 289-196 Interface module; RJ-45; with power jumper contacts; PCB terminal blocks; Cat. 5	www.wago.com/289-196


Power supplies

Power supply unit

	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
	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.: 787-1702 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.: 787-1102 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 1.3 A output current; DC-OK LED	www.wago.com/787-1102
	Item no.: 787-1226 Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current; DC-OK LED	www.wago.com/787-1226

Mounting

Mounting accessories

	Item no.: 852-9101 DNV Carrier rail adapter; for ETHERNET Switches 852-111/ 852-1111 marine approval; -	www.wago.com/852-9101
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Downloads

Documentation

Manual

Product Manual 5-Port 100BASE-TX Industrial ECO Switch	V 1.3.1 Jul 14, 2020	pdf 994.5 kB	Download
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Bid Text

852-111 X81 - Datei	Feb 19, 2019	xml 5.3 kB	Download
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852-111	Oct 9, 2017	doc 27.6 kB	Download
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ausschreiben.de 852-111		URL	Download
Installation manual			
Gebrauchs- und Montageanleitung 852-111 / 852-112		pdf 1.7 MB	Download
System Description			
Industrial Switches – General Product Information		pdf 1.9 MB	Download
Additional Information			
Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	Aug 18, 2022	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 852-111		URL	Download
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CAE data

ZUKEN Portal 852-111		URL	Download
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EPLAN Data Portal 852-111		URL	Download
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WSCAD Universe 852-111		URL	Download
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Environmental Product Compliance

Compliance Search

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Industrial-ECO-Switch; 5-port 100Base-TX; black

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Installation Notes

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