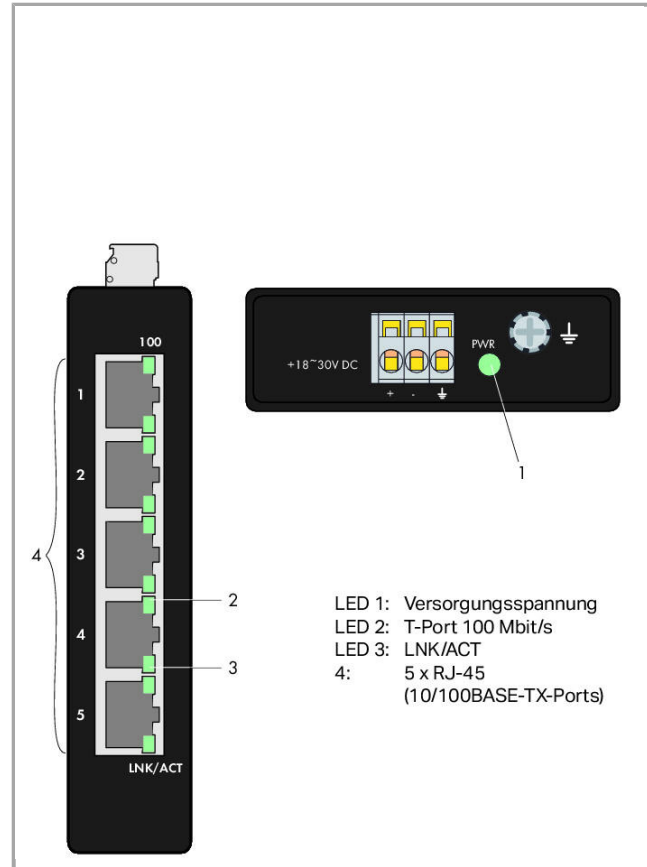


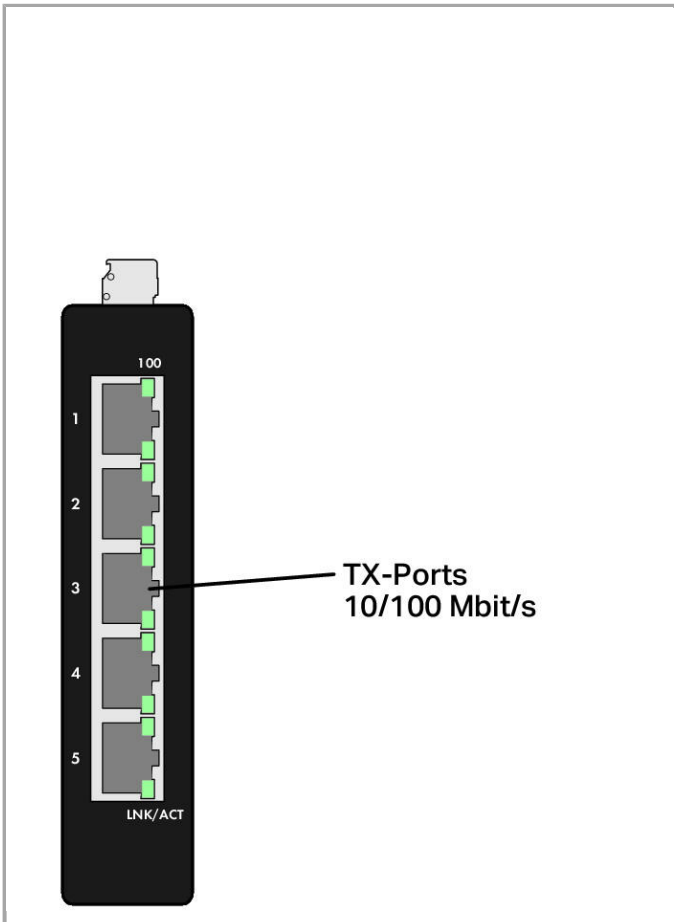
852-111



RoHS Compliant

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

Color:



Item description

The 852-111 is a 5-port 10/100Base-TX industrial ETHERNET switch supporting Auto-Negotiation and Auto-MDI-/MDI-X detection for each port.

Using the switch's 5 ports, several segments can be created to reduce the network load, while providing a dedicated bandwidth to each user node. The 852-111 switch is a cost-effect solution to keep up with the constant demands of IP-based, industrial communication needs.

The switch is easy to configure and install and is best suited for small to medium-sized networks.

Features:

- 5 ETHERNET ports, 10/100 Mbps 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
- DIN-35 rail mounting

Data

Technical Data

Switchingmodus	Store-and-forward, non-blocking
Number of 100Base-TX ports	5
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control
MAC table (large)	2000 addresses
Jumbo frame size	1536 Byte
Supply voltage	DC 18 ... 30 V
Energy consumption max.	3 W
Baud rate	Copper cable: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5 oder besser, 100 m maximale Leitungslänge
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
Anschluss technik: Versorgung	1 x im Gerät verbaute Stiftleiste: 231-433/001-000; mitgelieferte Federleiste (Steckverbinder MCS): 231-103/026-000

Geometrical Data

Width	23.4 mm / 0.921 inch
Height from upper-edge of DIN-35 rail	81 mm / 3.189 inch
Depth	109.2 mm / 4.299 inch

Mechanical data

Weight	352 g
Color	black
Housing material	Sheet steel

Environmental Requirements


Surrounding air (operating) temperature	-40 ... 70 °C
Surrounding air (storage) temperature	-40 ... 80 °C
Protection class	IP30
Relative air humidity (no condensation)	95 %
Type of mounting	DIN-35 rail
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
Fire load	5.28 MJ

Commercial data

Product Group	27 (Special components I/O)
Country of origin	TW
GTIN	4045454847593
Customs Tariff No.	85176200000





Approvals / Certificates

Ship Approvals


Logo	Approval	Additional Approval Text	Certificate name
	DNV DNV Germany GmbH	-	A-14050

Compatible products




transfer module















	Item no.: 289-172 Interface module for ETHERNET RJ-45	289-172
	Item no.: 289-175 Interface module for ETHERNET RJ-45	289-175
	Item no.: 289-195 Interface module for ETHERNET RJ-45; for DIN 35 rail; with shield connection	289-195
	Item no.: 289-196 Interface module with RJ-45 connectors; CAGE CLAMP®CONNECTION; with LED; Fused	289-196

General accessories

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

wiring and connectors

	Item no.: 750-975 ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-975
	Item no.: 750-976 PROFINET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly	750-976
	Item no.: 750-977/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22	750-977 /000-011

	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	750-977 /000-012
	Item no.: 750-977/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22	750-977 /000-013
	Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	750-977 /000-021
	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	750-977 /000-022
	Item no.: 750-978/000-011 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief	750-978 /000-011
	Item no.: 750-978/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief	750-978 /000-012
	Item no.: 750-978/000-013 Connector PROFINET; RJ-45; Cat. 6A; straight; AWG 22; Strain relief	750-978 /000-013
	Item no.: 750-978/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief	750-978 /000-021
	Item no.: 750-978/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief	750-978 /000-022
	Item no.: 750-979/000-011 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief	750-979 /000-011
	Item no.: 750-979/000-012 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief	750-979 /000-012
	Item no.: 750-979/000-013 Connector PROFINET; RJ-45; Cat. 6A; angled; AWG 22; Strain relief	750-979 /000-013
	Item no.: 750-979/000-021 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief	750-979 /000-021
	Item no.: 750-979/000-022 Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief	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	787-1102



signal

**Item no.: 787-1112**

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

787-1112

**Item no.: 787-1122**

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

787-1122

**Item no.: 787-1226**

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 6 A output current

787-1226

**Item no.: 787-1702**

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

787-1702

**Item no.: 787-1712**

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

787-1712

**Item no.: 787-1722**

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

787-1722

Downloads

Documentation

Manual

5-Port 100BASE-TX Industrial ECO Switch	V 1.2.0	pdf 341.0 kB	Download
---	---------	-----------------	----------

Bid Text

852-111 Switche	Apr 4, 2012	doc 27.6 kB	Download
--------------------	-------------	----------------	----------

Instruction Leaflet

Operating and assembly instructions 852-111 / 852-112		pdf 1.7 MB	Download
---	--	---------------	----------

Installation manual

Operating and assembly instructions 852-111 / 852-112		pdf 1.7 MB	Download
---	--	---------------	----------

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
--	---------	-----------------	----------

System Description

Industrial Switches – General Product Information		pdf 2.0 MB	Download
---	--	---------------	----------



CAD/CAE - Smart Data

CAD data

3D Download 852-111

URL

Download

Subject to changes.
