

Color: ■ черен

This unmanaged industrial ETHERNET switch (852-1102) has 8 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, saving 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
- Large supply voltage range: 9 ... 57 V
- DIP switch 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 ETHERNET data packets (PROFINET protocol, EtherType=0x8892) per IEEE802.1p

Technical data

Switching mode	Store-and-forward; non-blocking
Number of 1 Gbit/s ports	8
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX 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	9000 bytes
Supply voltage	9 ... 57 VDC
Power consumption (max.)	6 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s
Transmission medium (communication/fieldbus)	Copper cable: Cat. 5e or higher, 100 m maximum cable length
Controls	10 x DIP switch: Alarm function power supplies and ports 1 ... 8
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 ... 8

Connection data

Connection technology: communication/fieldbus	Copper cable: 8 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	105 mm / 4.134 inches
Depth	120 mm / 4.724 inches

Mechanical Data

Weight	543 g
Color	черен
Housing material	Aluminum
Conformity marking	CE

Environmental requirements

Ambient 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
Fire load	0.234 MJ

Commercial data

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 бр.
Packaging type	Box
Country of origin	TW
GTIN	4055143500173
Customs tariff number	85176200000

Approvals and certificates

Общи одобрения



Approval	Standard	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

Общи одобрения

UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199
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Одобрения за морски приложения



Approval	Standard	Certificate name
DNV DNV Germany GmbH	DNVGL-CG-339,Dec.2019	TAA00002YN
LR Lloyds Register	-	LR2128525TA

Downloads

Documentation

Manual	System Description
Product Manual 8-Port 1000BASE-T Industrial Switch V 1.3.0 15.04.2021 pdf 1392.35 KB ↓	Industrial Switches – General Product Information pdf 1873.93 KB ↓

Bid Text
852-1102 19.02.2019 xml 4.92 KB ↓
852-1102 09.05.2018 docx 17.55 KB ↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 852-1102 ↓	EPLAN Data Portal 852-1102 ↓
	ZUKEN Portal 852-1102 ↓

1 Compatible products

1.1 Optional accessories

1.1.1 Cables and connectors

1.1.1.1 Connector plug



Item no.: 750-976
PROFINET RJ-45 конектор, IP20; ETHERNET 10/100 Mbit/s; за полево сглобяване



Item no.: 750-977/000-012
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568B; AWG 22



Item no.: 750-978/000-012
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568B; AWG 22; Укрепване на проводника



Item no.: 750-977/000-022
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568B; AWG 24



Item no.: 750-978/000-022
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568B; AWG 24; Укрепване на проводника



Item no.: 750-977/000-011
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568A; AWG 22



Item no.: 750-978/000-011
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568A; AWG 22; Укрепване на проводника



Item no.: 750-977/000-021
Конектор ETHERNET; RJ-45; Кат. 6A; прав; Код T568A; AWG 24

1.1.1.1 Connector plug



Item no.: 750-978/000-021

Конектор ETHERNET; RJ-45; Кат. 6А; прав; Код Т568А; AWG 24; Укрепване на проводника



Item no.: 750-979/000-012

Конектор ETHERNET; RJ-45; Кат. 6А; ъглов; Код Т568В; AWG 22; Укрепване на проводника



Item no.: 750-979/000-022

Конектор ETHERNET; RJ-45; Кат. 6А; ъглов; Код Т568В; AWG 24; Укрепване на проводника



Item no.: 750-979/000-011

Конектор ETHERNET; RJ-45; Кат. 6А; ъглов; Код Т568А; AWG 22; Укрепване на проводника



Item no.: 750-979/000-021

Конектор ETHERNET; RJ-45; Кат. 6А; ъглов; Код Т568А; AWG 24; Укрепване на проводника



Item no.: 750-977/000-013

Конектор PROFINET; RJ-45; Кат. 6А; прав; AWG 22



Item no.: 750-978/000-013

Конектор PROFINET; RJ-45; Кат. 6А; прав; AWG 22; Укрепване на проводника



Item no.: 750-979/000-013

Конектор PROFINET; RJ-45; Кат. 6А; ъглов; AWG 22; Укрепване на проводника

1.1.2 Interface module

1.1.2.1 Interface module



Item no.: 289-195

Интерфейсен модул; RJ-45; IDC технология; Кат. 6; в монтажн адаптер; с екраниране

1.1.3 Power supply

1.1.3.1 Power supply unit



Item no.: 787-1602

Импулсно захранване; Classic; 1-фазен; Изходно напрежение 24 VDC; изходен ток 1 А; NEC Клас 2; DC сигнал ОК



Item no.: 787-1632

Импулсно захранване; Classic; 1-фазен; Изходно напрежение 24 VDC; изходен ток 10 А; TopBoost; DC ОК контакт



Item no.: 787-1606

Импулсно захранване; Classic; 1-фазен; Изходно напрежение 24 VDC; изходен ток 2 А; NEC Клас 2; DC сигнал ОК



Item no.: 787-1622

Импулсно захранване; Classic; 1-фазен; Изходно напрежение 24 VDC; изходен ток 5 А; TopBoost; DC ОК контакт



Item no.: 787-1702

Импулсно захранване; Eco; 1-фазен; Изходно напрежение 24 VDC; изходен ток 1,25 А; DC-OK LED



Item no.: 787-1712

Импулсно захранване; Eco; 1-фазен; Изходно напрежение 24 VDC; изходен ток 2,5 А; DC-OK LED



Item no.: 787-1722

Импулсно захранване; Eco; 1-фазен; Изходно напрежение 24 VDC; изходен ток 5 А; DC-OK LED



Item no.: 787-1102

Импулсно захранване; Компактен; 1-фазен; Изходно напрежение 24 VDC; изходен ток 1,3 А; DC-OK LED



Item no.: 787-1112

Импулсно захранване; Компактен; 1-фазен; Изходно напрежение 24 VDC; изходен ток 2,5 А; DC-OK LED



Item no.: 787-1122

Импулсно захранване; Компактен; 1-фазен; Изходно напрежение 24 VDC; изходен ток 4 А; DC-OK LED