

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 16-Port, 10/100 MBit/s

QoS - Quality of Service, PROFINET Conformance Class A
16 Fast Ethernet ports RJ-45, compact design, energy management
Redundant AC/DC supply, extended temperature range, ESD 6 kV



Identification

Type ET-SWU16E
Part No. [772008](#)

Product version

Datasheet version 02

Communication

Standard IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX/100BASE-FX
IEEE 802.3x flow control and back pressure
IEEE 802.1p Class of Service
IEEE 802.3az Energy Efficient Ethernet (EEE)
IEC 60068-2-32 (free fall), IEC 60068-2-27 (shock), IEC 60068-2-6 (vibration)

LAN 10/100 Base-TX RJ45 Auto-MDI/MDI-X

Cable length (segment) Max. 100 m

Transfer rate max. 10/100 Mbit/s

Connection technology (data) 16 × RJ45

Throughput (packet per second) 2.38 Mpps @ 64 bytes

Status display communication
System:
Power 1 (P1): green
Power 2 (P2): green
Alarm, (Fault): red
Per 10/100TX RJ45 Ports:
10/100 LNK/ACT: green

Switch architecture Store-and-Forward

Shared data buffer 4 Mbit/s

Source Address Table 16K inputs, automatic source address learning and aging

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FLOW Source	EEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Switch Fabric	1 Gbps (non-blocking)

Safety

ESD (Ethernet)	DC 6 kV
Surge (EFT for power)	DC 4 kV
Reverse voltage protection	Yes

Monitoring

Error output	Relay, 1 NO contact - 1 A @ DC 24 V
Switching current	1 A @ DC 24 V
Switching voltage	AC 120 V / DC 28 V
Isolation voltage	DC 500 V

General

Rated voltage U_N	DC 12 – 48 V redundant, AC 24 V
Nominal voltage range	9 V – 52 V
Rated current	5.3 W, DC: max. 0.17 A, AC: max. 0.15 A
Degree of protection	IP30
Relative humidity (operation)	5 % – 90 % (non-condensing)
Relative humidity (storage)	0 % – 90 % (non-condensing)
Housing material	Metal
Mounting	DIN rail mountable TS35 (EN 60715) Wall mounting
Installation position	Any
Connection type	6-pole pluggable screw terminal for power supply and fault diagnosis single wire/fine wire 0.25 mm ² – 2.5 mm ² AWG 20 – AWG 14 fine stranded wire with ferrule 0.25 mm ² – 1.5 mm ² AWG 20 – AWG 16
MTBF	>100000 h
Dimensions (w × h × d)	66.0 mm × 152.0 mm × 107.0 mm
Weight/unit	0.75 kg
PU (units)	1

General ambient conditions

Operation temperature range	-40 °C ... +75 °C
Storage temperature range	-40 °C ... +75 °C

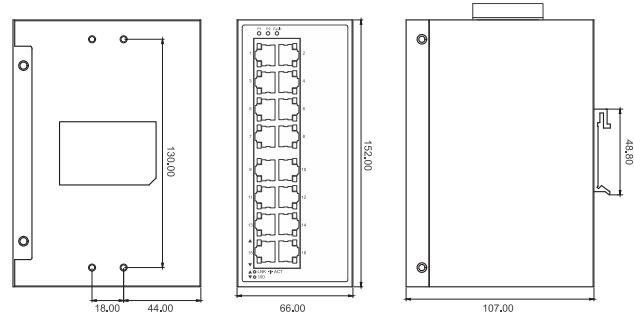
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Certifications/Standards

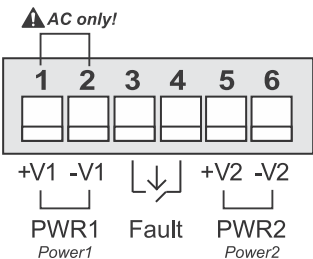
Certifications	CE FCC Part 15 Class A UKCA cULus (E332878)
Standards	EN 55032 EN 55035 IEC 61000-4-2/3/4/5/6/8 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6

Dimensions



PIN assignment

Max. fault loading: 24V, 1A



LED status

	Anzeige Display Affichage	Farbe Color Couleur	Type Type Type	Beschreibung Discription Discription
P1	grün green vert		Power 1	grün an green on allumée en vert PWR 1 ist angeschlossen PWR 1 is connected Le PWR 1 est connecté
P2	grün green vert		Power 2	grün an green on allumée en vert PWR 2 ist angeschlossen PWR 2 is connected Le PWR 2 est connecté
Fault	rot red rouge		Fault	rot an red on allumée en rouge Die AC- oder DC-Spannung hat einen Fehler. The AC or DC voltage has an error. La tension AC ou DC présente une erreur.
10/100	grün green vert		10/100 LINK/ACT	grün an green on allumée en vert Der Port arbeitet mit 10/100 Mbps The port works with 10/100 Mbps Le port fonctionne avec 10/100 Mbps
LNK	grün green vert		10/100 LINK/ACT	grün blinkt green flashes clignotements verts Der Port empfängt oder sendet Daten The port is actively sending or receiving datas Le port reçoit ou envoie des données
ACT				
100				