

Technical data sheet

Ethernet

Unmanaged E-CO Switch, 16-Port, 10/100TX



Identification

Type	ET-SWU16E
Part-No.	772008

Product version

Datasheet version	00
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Description

Auto Negotiation and 10/100 Mbps Half/Full Duplex Mode, Auto MDI/MDI-X, Redundant voltage supply, 16 Fast Ethernet Ports
ESD 6 kV, Compact dimensions, Extended temperature range
Auto crossing, Reverse polarity protection, Auto polarity

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 2.38 Mpps @ 64 bytes

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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 Store-and-Forward 4 Mbit/s
Source Address Table	16K inputs, automatic source address learning and aging
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

Switching current	Relay, 1 NO contact - 1 A @ DC 24 V 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
Protection class	IP30
Relative humidity (operation)	5 % – 90 % (non-condensing)
Relative humidity (storage)	0 % – 90 % (non-condensing)
Operation temperature range	-40 °C ... +75 °C
Storage temperature range	-40 °C ... +75 °C
Dimensions (w × h × d)	66.0 mm × 152.0 mm × 107.0 mm
Weight/unit	0.75 kg
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

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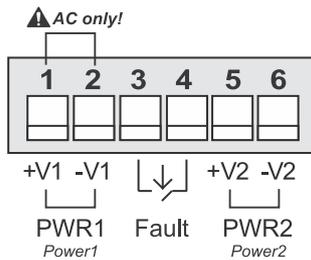
PU (units) 1

Certifications/Standards

Certifications CE
 Standards EN 55024
 IEC 61000-4-2/3/4/5/6/8
 IEC 60068-2-27
 IEC 60068-2-32
 IEC 60068-2-6

PIN assignment

Max. fault loading: 24V, 1A



LED status

Anzeige Display Affichage	Farbe Color Couleur	Typ Type Type	Beschreibung Description Description
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 ○ LNK ○ ACT	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 ○ ACT ○ 100		10/100 LINK/ACT	grün blinkt green flashes clignotements verts Der Port empfängt oder sendet Daten The port is actively sending or receiving data Le port reçoit ou envoie des données

Dimensions

