

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 16-Port, 10/100/1000 MBit/s

QoS - Quality of Service, PROFINET Conformance Class A

16 RJ45 ports 1 GBit/s, compact design, energy management, ESD 6 kV

Redundant supply, extended temperature range, Jumbo Frames up to 9 kB



Identification

Type	ET-SWGU16E
Part No.	772017

Product version

Datasheet version	02
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Communication

Standard	IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.1p Class of Service IEC 60068-2-32 (free fall), IEC 60068-2-27 (shock), IEC 60068-2-6 (vibration)
LAN	10/100/1000 Base-T RJ45 Auto-MDI/MDI-X, Auto Negotiation
Cable length (segment)	Max. 100 m
Transfer rate	max. 1000 Mbit/s
Connection technology (data)	16 × RJ45
Throughput (packet per second)	23.8 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 100/1000 LNK/ACT: orange (/amber)
Switch architecture	Store-and-Forward
Jumbo Frame	9K

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SYSTEMATIC TECHNOLOGY

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Shared data buffer	4.1 Mbit/s
Source Address Table	8K inputs, automatic source address learning and aging
FLOW Source	EEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Switch Fabric	10 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	10 V – 52 V
Rated current	8.2 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	0.743 kg
PU (units)	1

General ambient conditions

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

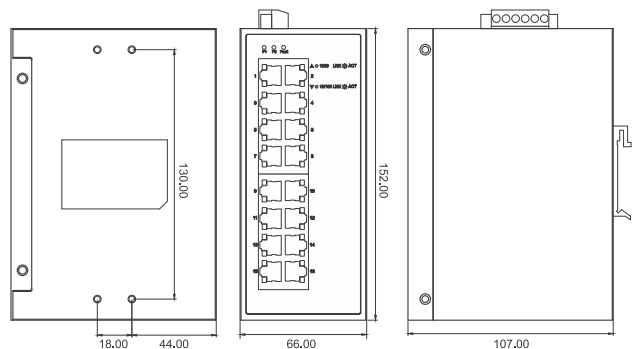
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Certifications/Standards

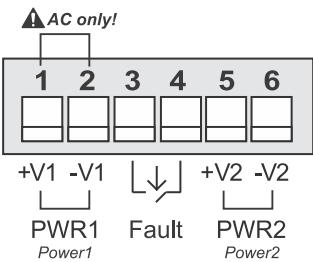
Certifications	CE
	FCC Part 15 Class A
	UKCA
Standards	cULus (E332878)
	EN 55032
	EN 55035
	IEC 61000-4-2/3/4/5/6/8
	IEC 60068-2-27
	IEC 60068-2-32
	IEC 60068-2-6

Dimensions



PIN assignment

Max. fault loading: 24V, 1A



LED status

			Anzeige	Farbe	Type	Beschreibung
			Display	Color	Type	Description
			Affichage	Couleur	Type	Description
P1	P2	Fault	○	grün	Power 1	grün an
			○	green		green on
			●	vert		allumée en vert
P2			○	grün	Power 2	grün an
			○	green		green on
			●	vert		allumée en vert
Fault			○	rot	Fault	rot an
			○	red		red on
			●	rouge		allumée en rouge
1000	LINK/ACT		○	grün	1000	grün an
			○	green	LINK/ACT	green on
			○	vert		allumée en vert
100	LINK/ACT		○	orange	1000	grün blinkt
			○	orange	LINK/ACT	green flashes
			○	orange		clignotements vert
100	LINK/ACT		○	orange	100	orange an
			○	orange	LINK/ACT	orange on
			○	orange		allumée en orange
100	LINK/ACT		○	orange	100	orange blinkt
			○	orange	LINK/ACT	orange flashes
			○	orange		clignotements orange