

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 5-Port, 10/100/1000 MBit/s

QoS - Quality of Service, PROFINET Conformance Class A

5 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-SWGU5E
Part No. [772013](#)

Product version

Datasheet version 03

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)	5 × RJ45
Throughput (packet per second)	7.4 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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Part No. [772013](#) • Datasheet version: 03

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

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Shared data buffer	1 Mbit/s
Source Address Table	2K 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 9 – 48 V redundant, AC 24 V
Nominal voltage range	7 V – 52 V
Rated current	3.6 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)	30.0 mm × 104.0 mm × 70.0 mm
Weight/unit	0.252 kg
PU (units)	1

General ambient conditions

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

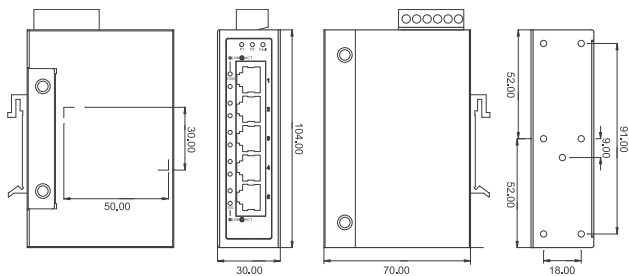
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Certifications/Standards

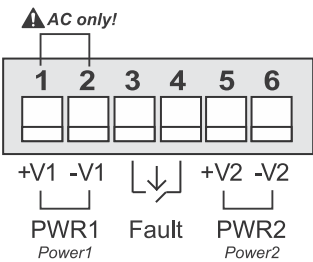
Certifications	CE FCC Part 15 Class A UKCA cULus (E332878)
Standards	EN 55032 EN 55035 IEC 61000-4-2/3/4/5/6/8 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6

Dimensions



PIN assignment

Max. fault loading: 24V, 1A



LED status

	Anzeige Display Affichage	Farbe Color Couleur	Typ 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
				PWR 2 ist angeschlossen PWR 2 is connected Le PWR 2 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
				PWR 1 ist angeschlossen PWR 1 is connected Le PWR 1 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.
1000	○ LNK ○ ACT	grün green vert	1000 LINK/ACT	grün an green on allumée en vert
				Der Port arbeitet mit 1000 Mbps The port works with 1000 Mbps Le port fonctionne avec 1000 Mbps
				grün blinkt green flashes clignotements vert
100	○ LNK ○ ACT	orange orange orange	100 LINK/ACT	grün blinkt green flashes clignotements vert
				Der Port empfängt oder sendet Daten The port is actively sending or receiving datas Le port reçoit ou envoie des données
				orange an orange on allumée en orange
100	○ LNK ○ ACT	orange orange orange	100 LINK/ACT	orange an orange on allumée en orange
				Der Port arbeitet mit 10/100 Mbps The port works with 10/100 Mbps Le port fonctionne avec 10/100 Mbps
				orange blinkt orange flashes clignotements orange
100	○ LNK ○ ACT	orange orange orange	100 LINK/ACT	orange blinkt orange flashes clignotements orange
				Der Port empfängt oder sendet Daten The port is actively sending or receiving datas Le port reçoit ou envoie des données
				orange an orange on allumée en orange