

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 8-Port, 10/100/1000 MBit/s

QoS - Quality of Service, PROFINET Conformance Class A

8 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-SWGU8E
Part No. [772015](#)

Product version

Datasheet version 02

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)	8 × RJ45
Throughput (packet per second)	11.9 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. [772015](#) • Datasheet version: 02

page 1 of 3



SYSTEMATIC TECHNOLOGY

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 8-Port, 10/100/1000 MBit/s

Shared data buffer	1.5 Mbit/s
Source Address Table	4K 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	9 V – 52 V
Rated current	5.9 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)	32.0 mm × 135.0 mm × 88.0 mm
Weight/unit	0.473 kg
PU (units)	1

General ambient conditions

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

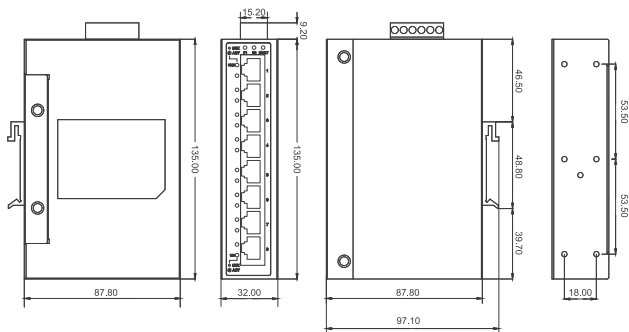
Technical data sheet

Ethernet · Unmanaged E-CO Switch, 8-Port, 10/100/1000 MBit/s

Certifications/Standards

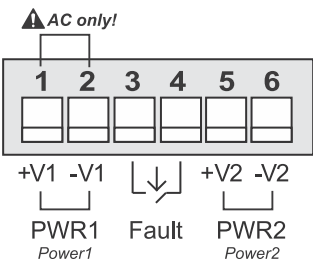
Certifications	CE FCC Part 15 Class A UKCA cULus (E332878)
Standards	EN 55032 EN 55035 IEC 61000-4-2/3/4/5/6/8 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6

Dimensions



PIN assignment

Max. fault loading: 24V, 1A



LED status

			Anzeige Display Affichage	Farbe Color Couleur	Type Type Type	Beschreibung Description Description
P1	P2	Fault	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.
1000 LNK	ACT		1000 LINK/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
			100 LNK	ACT	1000 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
100 LNK	ACT		100 LINK/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
			100 LINK/ACT	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	