

Technical data sheet

Ethernet · Unmanaged E-CO Switch, 4+2 Port, 10/100 MBit/s

4 Fast Ethernet ports RJ-45, 2-100Base-FX SFP ports
Auto-negotiation for 10/100BASE-TX, auto MDI/MDI-X function
Redundant AC/DC supply, extended temperature range, ESD 6 kV



Identification

Type ET-SWU6F
Part No. [772024](#)

Product version

Datasheet version 00

Communication

Standard	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3x flow control and back pressure IEC 60068-2-32 (free fall), IEC 60068-2-27 (shock), IEC 60068-2-6 (vibration)
LAN	10/100 Base-TX RJ45 auto-negotiation, auto-MDI/MDI-X
Cable length (segment)	Max. 100 m
Transfer rate	max. 10/100 Mbit/s
Connection technology (data)	4 × RJ45
Fiber Optic	2 × 100Base-FX
Transmission distance	Depending on SFP module
Transfer rate	100 Mbit/s
Mode	Multi-Mode: 50/125 µm fiber, 62.5/125 µm fiberSingle-Mode: 9/125 µm fiber
Throughput (packet per second)	0.89 Mpps @ 64 bytes
Status display communication	System: Power 1 (P1): green Power 2 (P2): green Alarm, (Fault): green Per 10/100TX RJ45 Ports: 10/100 LNK/ACT: green
Switch architecture	Store-and-Forward

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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	1,2 Gbps (non-blocking)

Safety

ESD (Ethernet)	DC 6 kV
Surge (EFT for power)	DC 6 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	DC: max. 1.2 A, AC: max. 1.1 A
Power consumption	16 W
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 × 87.8 mm
Weight/unit	0.442 kg
PU (units)	1

General ambient conditions

Operation temperature range	-40 °C ... +75 °C
Storage temperature range	-40 °C ... +85 °C

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Certifications/Standards

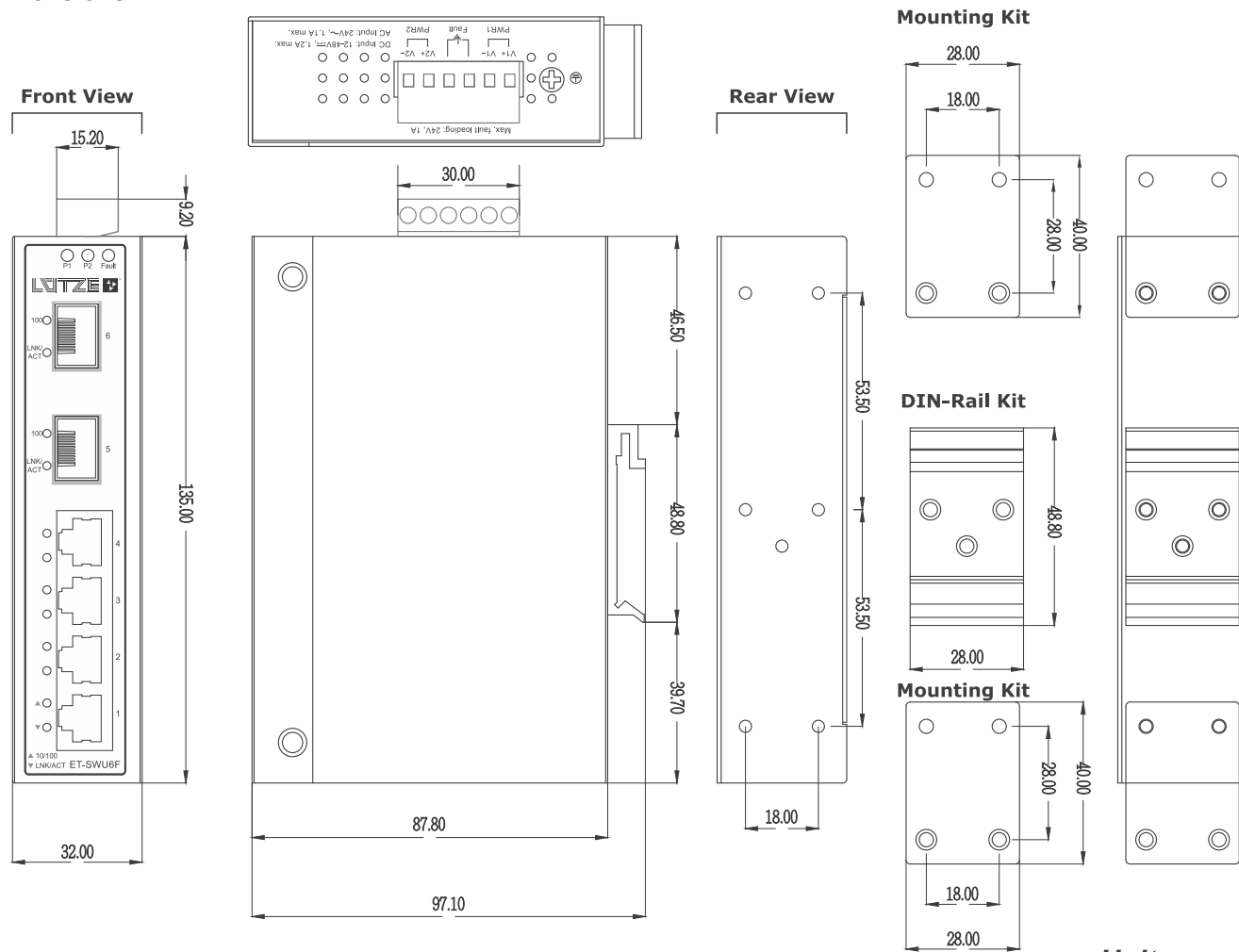
Certifications

CE
FCC Part 15 Class A
UKCA

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



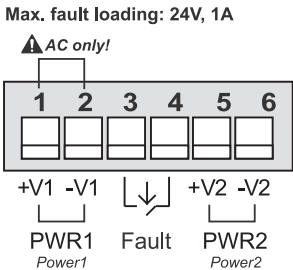
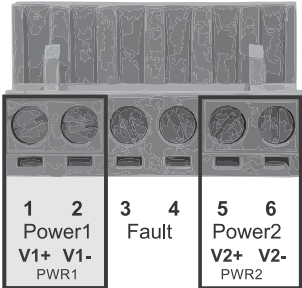
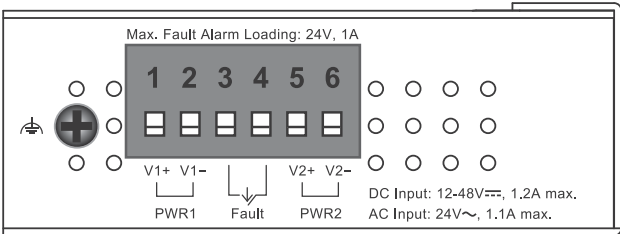
PIN assignment

- ⚠ VORSICHT** Wenn Sie 24 V AC verwenden, verwenden Sie bitte nur Power 1 (PWR1).

⚠ VORSICHT Der Fehlerkontakt ist im Normalbetrieb (Power 1 und Power 2) geschlossen, im Fehlerfall ist er offen.
- ⚠ CAUTION** When using AC 24 V, please use only Power 1 (PWR1).

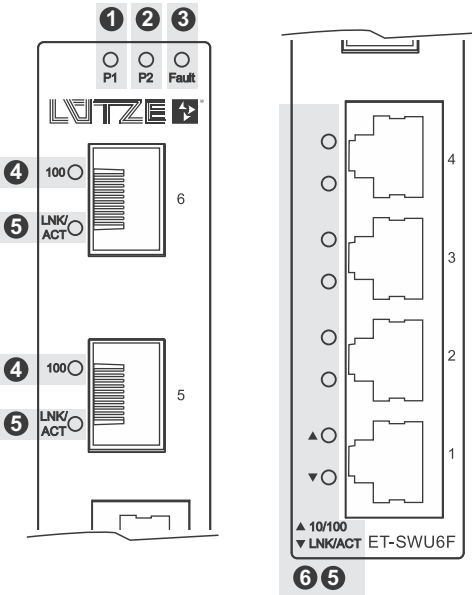
⚠ CAUTION The error contact is closed during normal operation (Power 1 and Power 2), in case of error it is open.
- ⚠ ATTENTION** En cas d'utilisation de 24 V CA, veuillez utiliser uniquement la Power 1 (PWR1).

⚠ ATTENTION Le contact d'erreur est fermé en fonctionnement normal (Power 1 et Power 2), en cas d'erreur il est ouvert.



LED status

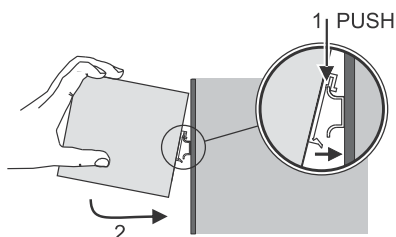
LED	Color	Function
1 P1	Green	● Lit: indicates power 1 has power.
2 P2	Green	● Lit: indicates power 2 has power.
3 Fault	Green	● Lit: indicates either power 1 or power 2 has no power.
4 100	Green	Fiber Optic ● Lit: indicates the fiber port is successfully connecting to the network at 100Mbps.
5 LNK/ACT	Green	Fiber Optic ● Lit: indicates the link through that port is successfully established.
		Copper * Blinking: indicates that the Switch is actively sending or receiving data over that port.
6 10/100	Green	Copper ● Lit: indicates the Switch is successfully connecting to the network at 100Mbps. ○ Off: indicates that the Switch is successfully connecting to the network at 10Mbps.



Mounting diagram

DE 1. Montage auf Hutschiene

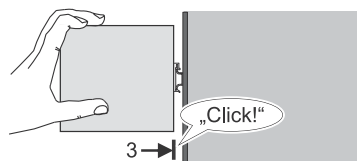
- Montage auf DIN-Hutschiene nach IEC 60715 TH35-7.5(-15)
 - Einbaulage: vertikal
1. Hängen Sie das Gerät an der Oberkante der DIN-Tragschiene ein.
 2. Schieben Sie es nach hinten bis zum Anschlag.
 3. Drücken Sie zum Verriegeln gegen die Unterseite bis Sie ein Klicken hören.



EN 1. Mounting on top hat rail

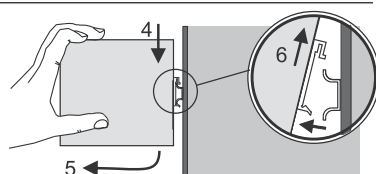
- Mounting on DIN rail according to IEC 60715 TH35-7.5(-15)
- Mounting position: vertical

1. Hang the device on the upper edge of the DIN rail.
2. Push it backwards as far as it will go.
3. Press against the bottom to lock until you hear a click.



FR 1. Montage sur rail DIN

- Montage sur rail DIN selon IEC 60715 TH35-7.5(-15)
 - Position de montage : verticale
1. Accrocher l'appareil sur le bord supérieur du rail DIN.
 2. Poussez-le vers l'arrière jusqu'à la limite.
 3. Appuyez sur le fond pour le verrouiller jusqu'à ce que vous entendiez un clic.



DE Demontage

4. Um das Gerät von der Hutschiene zu entfernen, drücken Sie von oben senkrecht auf das Gerät.
5. Ziehen Sie das Gerät dann an der unteren Kante nach vorne, um es vom unteren Teil der Hutschiene zu lösen. Drücken Sie gleichzeitig von oben weiter auf das Gerät.
6. Heben Sie das Gerät dann nach oben, um es vollständig von der Hutschiene zu lösen.

EN Dismounting

4. To remove the unit from the top hat rail, press the unit vertically from above.
5. Then pull the unit forward by the bottom edge to release it from the bottom of the top hat rail. At the same time, continue to press down on the unit from above.
6. Then lift the unit upwards to detach it completely from the top hat rail.

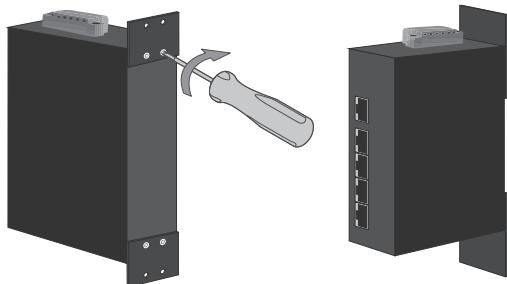
FR Démontage

4. Pour retirer l'appareil du profilé chapeau, appuyez verticalement sur l'appareil par le haut.
5. Tirez ensuite l'appareil vers l'avant par le bord inférieur pour le détacher de la partie inférieure du profilé chapeau. En même temps, continuez à appuyer sur l'appareil par le haut.
6. Soulevez ensuite l'appareil vers le haut pour le détacher complètement du profilé chapeau.

DE 2. Wandmontage

EN 2. Wall mounting

FR 2. Montage mural



DE Montageset

EN Mounting kit

FR Kit de montage

