



- Ethernet extender for Zone 1, Zone 21, EPL Gb, Db
- Extension of the distance for Ethernet copper cable connections

**MY R. STAHL UB03CONUT-PA**



The UB03-Z1-CON-UTP is an Ethernet extender that can be used to extend the LAN copper cables' limited distance of 100 m to up to 250 m (1x twisted pair).

A fixing frame for the installation of the extender is included in the delivery of the UB03-Z1-CON-UTP.

Available counterparts are the VI-UTP-2300A Ethernet extender PoE or the series UTP Vigitron extender with identical construction.

The UB03-Z1-CON-UTP devices' immunity level corresponds to "Industrial Grade", that of the Vigitron Extenders to "Commercial Grade", according to the manufacturer.

## Technical Data

### Explosion Protection

Scope	EU (CE / ATEX) International (IECEX) China (CCC / CNEX)
IECEX gas certificate	IECEX BVS 18.0001
IECEX dust certificate	IECEX BVS 18.0001
ATEX gas certificate	BVS 18 ATEX E 001
ATEX dust certificate	BVS 18 ATEX E 001
Certificates and approvals	ATEX IECEX China (CCC / CNEX) India (BIS) Kanada (CSA) Korea (KCC) UKEX USA (FM) USA (UL)

### Electrical Data

Voltage range DC	4.75 to 30 V DC
Voltage range AC	0
Rated operational power	2 W
Transmission path	CAT7 cable (1 pair), 10/100Base-TX
Distance	250 m
Remote station	UB03-Z1-CON-UTP or VI-UTP-2300A
Um max. input voltage	250 V AC

# Operating and Monitoring Systems

## Peripherals UB03

### Ethernet extender

UB03-Z1-CON-UTP Art. No. 274901



#### Auxiliary Power

Power supply	5 V DC/24 V DC
Nominal current	0.4 A

#### Ambient Conditions

Ambient temperature	-40 °C ... +70 °C
---------------------	-------------------

#### Mechanical Data

Version	01
Degree of protection (IP)	IP66
Front enclosure protection type (IP)	IP66
Rear enclosure protection type (IP)	IP66
Enclosure	UB03
Enclosure material	Aluminium
Wall thickness	1 – 5 mm
Cable length	0 m
Maximum cable length	250 m
Width	125 mm
Height	185 mm
Depth	55 mm
Depth of cut-out	54.2 mm
Mounting cut-out width	110 mm
Mounting cut-out height	170 mm
Cut-out tolerance	+0.5 mm / -0.3 mm
Front plate	Polyester on aluminium
Installation location	Panel/enclosure
Weight	2.2 lb

#### Mounting / Installation

Mounting orientation	any
Connection type	Screw terminals
Connection type 1	2.5 mm <sup>2</sup> green
Max. USA solid connection terminals	22 AWG

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.