

# Operating and Monitoring Systems

## Peripherals UB03

### Ethernet extender

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

STAHL



- 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

|                            |   |
|----------------------------|---|
| Application range (Zones)  | 1<br>2<br>21<br>22  |
| Scope                      | EU (CE / ATEX)<br>International (IECEX)<br>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<br>IECEX<br>China (CCC / CNEx)<br>India (BIS)<br>Kanada (CSA)<br>Korea (KCC)<br>UKEX<br>USA (FM)<br>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                              |

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#### Electrical Data

|                       |                                 |
|-----------------------|---------------------------------|
| Remote station        | UB03-Z1-CON-UTP or VI-UTP-2300A |
| Um max. input voltage | 250 V AC                        |

#### 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                               | 1 kg                   |
| 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.