Technical data for XR ITS2.1 and ITS2.D

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24 VDC</td>
</tr>
<tr>
<td>2</td>
<td>0V</td>
</tr>
<tr>
<td>3</td>
<td>RS-485 - (A)</td>
</tr>
<tr>
<td>4</td>
<td>RS-485 + (A)</td>
</tr>
<tr>
<td>5</td>
<td>RS-485 - (B)</td>
</tr>
</tbody>
</table>

Input voltage limits
- Power supply: 24 VDC ± 20%
- Power consumption: 2W

Functional characteristics
- Voltage measuring range: 10 - 900 VAC
- Measured current range: 0 - 3.3 mA
- Measuring range temperature: 0 - 127 °C
- Measuring accuracy (Voltage and current): ± 1%
- Electronic Fuse Monitoring detection level: Nominal line to line voltage - 20%
- Electronic Fuse Monitoring operating time: ≥ 1s

Signaling output terminals (multiplug)
- Conductor cross section stranded min.: 0.25 mm²
- Conductor cross section stranded max.: 1.5 mm²
- Conductor cross section stranded, with ferrule without plastic sleeve max.: 1.5 mm²
- Conductor cross section stranded, with ferrule with plastic sleeve max.: 0.75 mm²

Modbus communication and configuration
- Default setting: 19200 E,8,1
- Default Modbus addr.: 247
- Baudrates: 9600, 19200
- Parity, stop- start bits: E,8,1 - 0.8,1 - N,8,2 - N,8,1
- Modbus address range: 1 - 247
- Configuration tool: Ekip
- SACE Ekip T&P needed when connecting a laptop to the ITS2.1 or ITS2.D unit for configuration
- Termination resistor: No internal resistor. If needed, place on terminal 4,5 on last ITS2.1 or ITS2.D unit in multidrop line.
- Insulation test: The ITS2.1 or ITS2.D unit must be removed during dielectric test.
ITS2.D / with integrated Ekip Display

How to install the Ekip Display (Order code 1SDA066569R0001) to an ITS 2.1:

1. Push in the 3 areas at the front label of the ITS 2.1 as shown above.

2. Plug in the Ekip Display carefully. Let the guide pin at the left side first slide into position. Then slide the right side into the USB plug in the ITS2.1.

3. Fix the closing button by using a screw driver and rotate to closed position.

For possible connection to your PC/laptop using the software Ekip Connect, use the USB connector at the bottom side of the Ekip Display.

The connection cable has to be the T&P cable kit (Order code: 1SDA066989R0001)

The Ekip Connect software tool can be downloaded for free at:
http://www.abb.com/abblibrary/DownloadCenter