Manufacturer: ABB Automation Products GmbH  
Borsigstrasse 2  
D-63755 Alzenau

Type of unit: Temperature Transmitter Type TTF350-E5... for use in Zone 2 and Zone 22.

Type identification: TTF350

Ordering number: TTF350-E5...

Electrical characteristics: Un ≤ 30V DC (functional extra-low voltage FELV)

Unit category 3
Application (GAS):

<table>
<thead>
<tr>
<th>Temperature class</th>
<th>T6</th>
<th>T5</th>
<th>T4 ....T1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permissible ambient temperature range option – 50°C</td>
<td>-40°C*...+56°C</td>
<td>-40°C*...+71°C</td>
<td>-40°C*...+85°C</td>
</tr>
</tbody>
</table>

Application (dust): T 135°C

Remarks: Appropriate measures should be taken to ensure that in the environment surrounding the appliance, the protective device for checking transient effects can be adjusted to a value not exceeding 40% of the rated voltage at the power connecting points.

Operation: The Temperature Transmitter Type TTF350-E5..can be operated as a unit in Zone 2 or Zone 3 if the electrical characteristics of Category 3 for non-conducting dust are respected.  
At installation time please respect the DIN EN 60079-14 (VDE 0165 Part 1) for gas and DIN EN 61241-14 (EN 50281-1-2) or (VDE 0165 Part 2) for dust respectively.
MANUFACTURER'S DECLARATION

ABB No. 22 – 2007 Rev.01

Type labels  TTF350

ABB Automation Products GmbH
Alzenau  Germany 2008


Us=+11...42V, Ia= 4...20 mA, HART  Hw. Rev. 1.0.5
Cfg. 2xTC; Type K; 0...300°C  SW. Rev. 01.00.00
Ta.=-40...+85°C  IP 6X, NEMA 4X

Option –50°C

ABB No. 22 - 2007
II 3G EEex nA II T1..T6
II 3D IP6X T135°C

T1..T4 Ta.=-40°C..+85°C (Zone 2; Zone 22 T 135°C)
T5  Ta.=-40°C..+71°C (Zone 2; Zone 22 T 135°C)
T6  Ta.=-40°C..+56°C (Zone 2; Zone 22 T 135°C)

Alzenau, 4. März 2008

for Harald Müller  for Klaus J. Zeiger
Head of Hardware Development  In Charge of Explosion Protection

ABB Automation Products GmbH