TGIPI
TECHNICAL DATA

Features:

- Industrial process interface with 3 analog /alarm outputs, 2 analog inputs, 1 digital input,3 alarm relays
- 500 V ACRMS isolation voltage between camera and process
- Separate fail-safe relay output
- TGBF1 hardware including all cable connections and GP Connect software are permanently observed during operation

TECHNICAL SPECIFICATIONS

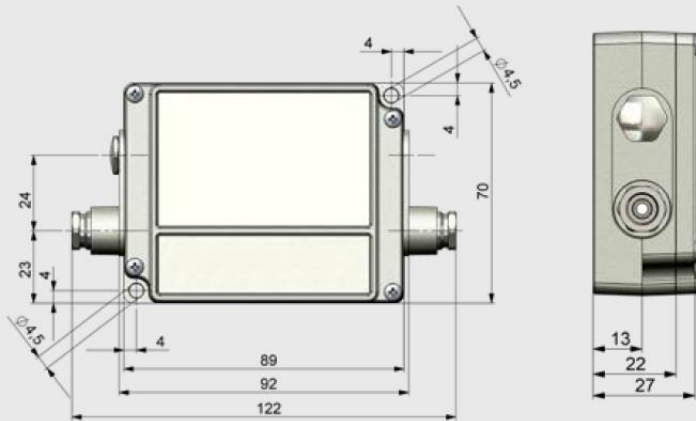|	
Protective rating	IP65 (NEMA-4)
Ambient temperature	-30...85°C [-22...185°F]
Storage temperature	-30...85°C [-22...185°F]
Humidity	10 - 95 %
Vibrational stability	IEC 60068-2-6 (non-condensing)/ IEC 60068-2-64 (broadband noise)
Shock stability	IEC 60068-2-27 (25 G and 50 G)
Weight	610 g (with 5 m HT cable)

ELECTRICAL

Power Supply	5-24 VDC
LED display	2 green LEDs for voltage and fail-safe / 3 red LEDs for status of alarm relays
Isolation	500 V ACRMS between camera and process
Outputs	3 analog- / alarm outputs /3 alarm relays1
Inputs	2 analog inputs / 1 digital input
Ranges	0/4–20 mA (for AO 1 – 3)2) 0 – 30 V / 400 mA (for alarm relays DO1 – 3) / 0 – 10 V (for AI 1 – 2) 24 V (for DI)

PROGRAMMABLE FUNCTIONS

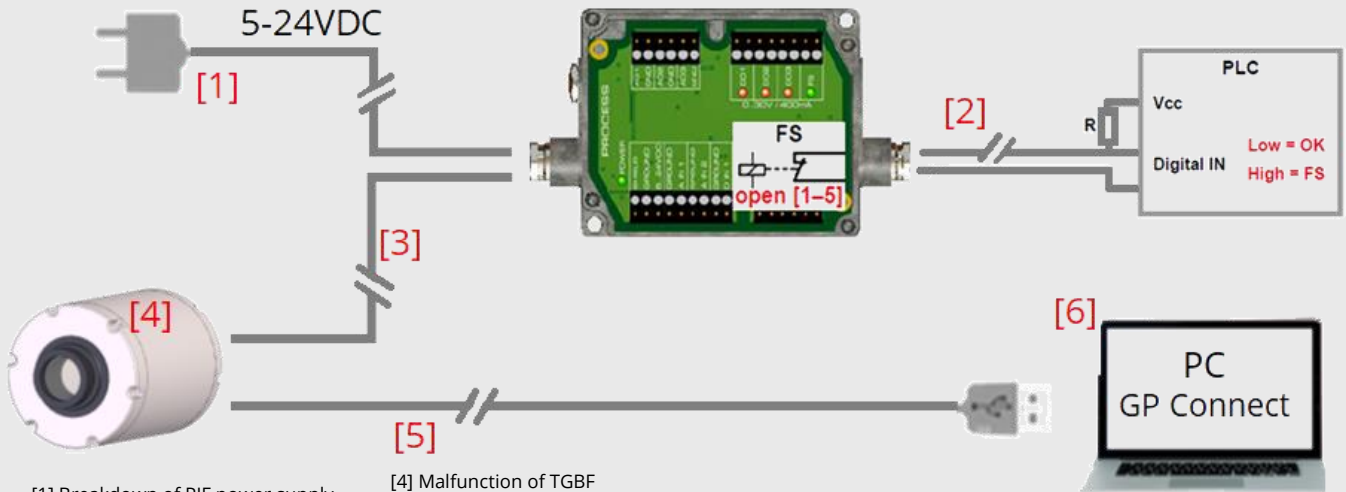|		
Analog Inputs	• Emissivity settings • Reference temperature • Triggered snapshots, recordings, line scan camera, event rabber	• Ambient temperature compensation • Uncommitted value • Flag control • Reset peak-/valley hold
Digital Inputs	• Flag control • Triggered snapshots, recordinng, line scan camera, event graber	• Reset peak-/valley hold
Analog Outputs	• Main measurement range • Measurement range • Internal temperature • Flag status	• Alarm • Frame synchronisation • Fail-safe • External communication

TGIPI
TECHNICAL DATA

DIMENSIONAL

Example for a fail-safe monitoring of the TGBF with connected PLC

[1] Breakdown of PIF power supply

[2] Cable break of fail-safe cable

[3] Interruption of cable TGBF - TGIPI

[4] Malfunction of TGBF

[5] Breakdown od TGBF power supply
Interruption of USB cable

[6] Malfuction of Software

Snaphot of programmable features