NOTES: (UNLESS OTHERWISE SPECIFIED)
1. SAFE AREA APPARATUS IS NOT SPECIFIED
2. THE SAFETY BARRIER MUST CONFORM TO THE FOLLOWING:
   \[ V_{oc}, V_o \leq V_{max}, V_i \]
   \[ I_{oc}, I_i, I_{max}, I_i \leq I_{max}, I_i \]
   \[ P_o \leq P_i \]
3. CIRCUIT IN HAZARDOUS AREA MUST BE CAPABLE OF WITHSTANDING A VOLTAGE TEST OF 500 V RMS TO EARTH OR TO THE FRAME OF THE APPARATUS FOR ONE MINUTE.
4. THE CAPACITANCE AND EITHER THE INDUCTANCE OR RESISTANCE (L/R) RATIO OF THE INTERCONNECTING CABLE MUST NOT EXCEED THE FOLLOWING:
   \[ C_{cable} \leq C_a - C_i \]
   \[ L_{cable} \leq L_a - L_i \]
5. THE HAZARDOUS AREA CABLE IS TO BE INSTALLED AS EITHER A SEPARATE CABLE OR A SEPARATE CIRCUIT WITHIN A "TYPE A" CABLE OR WITHIN A "TYPE B" CABLE AS DEFINED IN EN 50052 (1980). THE PEAK VOLTAGE OF ANY CIRCUIT IN THE "TYPE B" CABLE MUST NOT EXCEED 60V.
7. REFER TO SPECIFICATION DRAWING 9191-001 FOR ADDITIONAL INSTALLATION AND WIRING DETAILS.

INSTALLATION –
ACCELEROMETER IN HAZARDOUS LOCATION
CENELEC

HAZARDOUS AREA → SAFE AREA

SHUNT ZENER DIODE
SAFETY BARRIERS (NOTE 2)

SIGNAL RETURN

SAFE AREA APPARATUS
(NOTE 1)

ACCELEROMETER
BASEEFA 03ATEX0259

Entity Parameters

- \( V_{max}, V_i = 28V \)
- \( I_{max}, I_i = 93mA \)
- \( P_i = 0.65W \)
- \( C_i = 56nF \)
- \( L_i = 0mH \)
- \( C_o = 26uF \)
- \( L_o = 4.3mH \)
- \( L_o/R_o = 14.3uH/R \)

Baseefa Certified Product
No modifications permitted without reference to Baseefa

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INSTALLATION,
SA6350
ACCELEROMETER

9459