Descriptive System Document 5104Q501

Subject: loop-powered transmitter located in hazardous area with redundant output in safe area by use of 5104B..B in special application.

Associated apparatus: 5104B..B Ex II(1) GD 99ATEX126013

Entity parameters:

- $U_M = 250 \text{ V}$
- $U_O = 28.0 \text{ VDC}$
- $I_O = 93.0 \text{ mA}$
- $P_O = 0.65 \text{ W}$
- $L_O = 3.0 \text{ mH}$
- $C_O = 0.08 \mu\text{F}$

Area classification: Zone 0, 1, 2, 20, 21, 22

Gas group: IIA, IIB, IIC

Application:

- Hazardous area
- Safe area

Design Manager Knud Nielsen
Date [signature]

[Diagram of circuit with labeled components and signal paths]

[Certification mark: DS CERTIFIED Quality System DS EN ISO 9001]