HAZARDOUS AREA

Load cells
- HLC 1.5 H. S.-V.30000-OV1-C-E HBM

Load cell cable:
- 0 x 0.14 mm²
- HBM 200.00-7277 EA
- C1 = 162 nF/km
- L1 = 9.85 mH/km
- C2 = 440 nF/km
- L2 = 19.18 mH/km
- C2 = 46.4 µF
- L2 = 10.2 µH

System with Lapp cable:
- Capacitance total of 6-wire Cable: C6 = 52 µF with Earth connection
- Inductance total of 6-wire Cable: L6 = negligible

System with HBM cable:
- Capacitance total of 6-wire Cable: C6 = 52 µF with Earth connection
- Inductance total of 6-wire Cable: L6 = negligible

In accordance with Ipspark: Calculation:
- These values are unrealistic

NON HAZARDOUS AREA

Terminal Box

Terminal box:
- 0 x 0.14 mm²
- HBM 200.00-7277 EA
- C1 = 162 nF/km
- L1 = 9.85 mH/km
- C2 = 440 nF/km
- L2 = 19.18 mH/km
- C2 = 46.4 µF
- L2 = 10.2 µH

Measurement cable:
- LAPP CYCNEx
- HBM
- C = 92 nF with Earth connection
- L = 90.2 µH

Alternative measurement cable:
- LF-2YAECVY 3 x 2 x 0.14 mm²
- HBM
- C = 129 nF with Earth connection
- L = 210.2 µH

Technical data Zener Barriers:

Type Z763
- Pepper+Fuchs
- G I II GD [Ex ia Ga] IIC
- BAS 01 ATEX 7005
- -20 °C < Ta < 60 °C
- Uo = 11.6 V
- Io = 642 mA
- Po = 1230 mW

Type Z764
- Pepper+Fuchs
- G I II GD [Ex ia Ga] IIC
- BAS 01 ATEX 7005
- -20 °C < Ta < 60 °C
- Uo = 11.6 V
- Io = 468 mA
- Po = 1200 mW

Load cell type:
- Z763
- Type Z764
  - Pepper+Fuchs
  - G I II GD [Ex ia Ga] IIC
  - BAS 01 ATEX 7005
  - -20 °C < Ta < 60 °C
  - Uo = 11.6 V
  - Io = 468 mA
  - Po = 1200 mW

Load cell cable:
- 6 x 0.14 mm²
- HBM 200.00-7277 EA
- C = 129 nF with Earth connection
- L = 210.2 µH

Control-Drawing ATEX Load cell SB01A-8LC

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System with Lapp cable:
- Capacitance total of 6-wire Cable:
  - C6 = 92 nF with Earth connection
  - L6 = 90.2 µH

System with HBM cable:
- Capacitance total of 6-wire Cable:
  - C6 = 129 nF with Earth connection
  - L6 = 210.2 µH

Alternative measurement cable:
- LF-2YAECVY 3 x 2 x 0.14 mm²
- HBM
- C = 129 nF with Earth connection
- L = 210.2 µH

In accordance with Ipspark - Calculation:
- These values are unrealistic