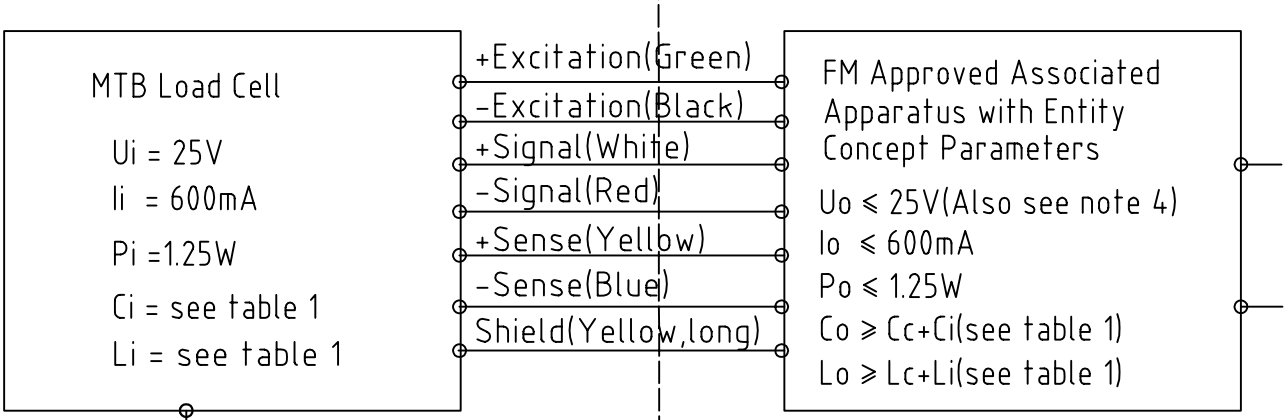
72184367D

Hazardous (Classified) Location
Class Ⅰ, Division 1, Group A,B,C,D
Class Ⅱ, Division 1, Group E,F,G
Class Ⅲ, Division 1
IS/I,II,III/1/ABCDEFG/T4 Ta=40℃ Entity
NI/I/2/ABCD/T6 Ta=40℃
S/II/2/FG/T6 Ta=40℃
S/III/2/T6 Ta=40℃

Unclassified Location




Scale structure (attached to load cell) to be connected to system safety ground. See Note 2.

CNotes:

1. U.S. installation to be in accordance with ANSI/NFPA No.70. Articles 504&505, and ISA RP 12.06.01 Recommended Pratice for the Installation of intrinsically Safe circuits.
2. The resistance between all safety ground connections and the system grounding electrode must not exceed 1ohm.
3. Maximum cable length 30m. For longer cables their capacitance and inductance has to be included..
4. Class I division 2 installation does not require the use of associated apparatus.U.S. installation shall be in accordance with the National Electrical Code ANSI/NFPA NO. 70 art.51. Associated apparatus is required for division 1 and class I & III division 2 installations. For Division 2 installations the associated apparatus shall be FM approved with the exception UL Listed Mettler Toledo Models IND560 and IND780 can be used as long as the Entity Parameters do not exceed Vt=20V, Isc=600mA & Po=1.25W.

Table 1

| Cable length(m) | | 3 | 5 | 8 | 12 | 30 | per m |
|---|---|---|---|---|---|---|---|
| Minimum values | Ci(nF) | 0.6 | 1 | 1.6 | 2.4 | 6 | 0.2 |
| | Li(μH) | 3 | 5 | 8 | 12 | 30 | 1 |

| 版本/VER | 更改号/ER,ECN.NO. | 更改人/BY | 日期/DATE |
|---|---|---|---|
| D | 3010-091 | 徐修祝 | 10.06.24 |
| C | 3007-187 | 徐修祝 | 07.10.10 |
| B | 3006-242 | 许宇军 | 06.08.30 |

| 认证标记/Appro Mark | |
|---|---|
| ○ | Metrology |
| ○ | Safety |
| ● | Ex |

| | | | |
|---|---|---|---|
| 设计/DRN | 黄勇 | 批准/APPD | |
| 审核/CHECK | 盛杰 | 认证/AGEN | 刘玉春 |
| 工艺/MFG | 周青松 | 日期/DATE | 2005-07-28 |

INSTALLATION DRAWING
FM

| 图样阶段/STAGE | | | SP | 重量/WGT | 比例/SCALE |
|---|---|---|---|---|---|
| S | A | N | | | 1:1 |

SHEET: 第 1 页 of 共 1 页

METTLER TOLEDO
MTCN / MTCZ

Load cell,MTB

72184367D