30136756B

HAZARDOUS (CLASSIFIED) LOCATION

Class I,II,III Div.1 Groups A-G

LOAD CELL
Models SLB515
SLB815
ENTITY PARAMETERS
V_{MAX} = 20V
I_{MAX} = 600mA
Pi = 1.25W
Ci = 0μF
Li = 0μH
T-Code: T4
-40℃≤Ta≤+50℃

+SIGNAL (White)
-SIGNAL (Red)
+EXCITATION (Green)
-EXCITATION (Black)
SHIELD

NON HAZARDOUS LOCATION

FM APPROVED ASSOCIATED APPARATUS
WITH ENTITY CONCEPT PARAMETERS

Entity parameter
Rules (Div.1)

$U_0 \leq Ui$
$I_0 \leq Ii$
$C_0 \geq \sum Ci + C_{Cable}$
$L_0 \geq \sum Li + L_{Cable}$
$P_0 \leq Pi$

Notes 4,5,6,7

SCALE STRUCTURE TO BE CONNECTED TO
SYSTEM SAFETY GROUND (See Note 2)

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SHIELD

FM APPROVED IS APPARATUS
WITH ENTITY CONCEPT PARAMETERS

Entity parameter
Rules (Div.1)

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$I_0 \leq Ii$
$C_0 \geq \sum Ci + C_{Cable}$
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Notes 4,5,6,7

SCALE STRUCTURE TO BE CONNECTED TO
SYSTEM SAFETY GROUND (See Note 2)

NOTES:

1. INTEGRAL LOAD CELL CABLE TO BE 30m.
2. THE RESISTANCE BETWEEN ALL SAFETY GROUND CONNECTIONS AND THE SYSTEM GROUNDING ELECTRODE MUST NOT EXCEED 1Ω in US and Canada.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE,NFPA 70, ARTICLES 504 AND ANSI/ISA-RP12.06.01 in US and Canadian electric code CSA 22.1 Part1 in Canada.
4. THE MAXIMUM UNCLASSIFIED LOCATION VOLTAGE, U_m=250V AC/DC.
5. ASSOCIATED APPARATUS CONTROL DRAWINGS MUST ALSO BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
6. MULTIPLE LOAD CELLS MAY BE WIRED IN PARALLEL USING A JUNCTION BOX CONSIDERED SIMPLE APPARATUS AS LONG AS THE SUM OF CAPACITANCE AND INDUCTANCE ARE LESS THAN Ca AND La.
7. IF CABLE ELECTRICAL PARAMETERS ARE UNKNOWN. THE FOLLOWING VALUES MAY BE USED:

C_{CABLE} =197pF/m(60pF/ft)
L_{CABLE} =0.66μH/m(0.20μH/ft)

NOTICE
THIS ITEM USED IN:
[X] AGENCY APPROVED PRODUCT
[ ] O.E.M. PRODUCT
DO NOT CHANGE DOCUMENT WITHOUT APPROPRIATE APPROVAL

认证标记/Appro Mark
◯ Metrology
◯ Safety
● Ex

B	500000056234	许宇军	2018/07	FS Num.								
版本/VER	更改号/ER,ECN.NO.	更改人/BY	日期/DATE	图样阶段/STAGE		SP		重量/WGT		比例/SCALE		
设计/DRN	王伟	批准/APPD	戴峰	S	A	N				1:1		
审核/CHECK	王继锋	认证/AGEN	刘玉春									
工艺/MFG	周正宇	日期/DATE	2014/03/25	SHEET: 第 1 页 of 共 2 页								

Drawing

METTLER TOLEDO
MTCN / MTCT / MTCZ

Control drawing,FM,SLB515&SLB815

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