30032271C

HAZARDOUS (CLASSIFIED) LOCATION
FM18US0025 / FM18CA0032
NI / I / 2 / ABCD / T6
S / II , III / 2 / FG / T6 (US)
DIP / II, III / 2 / FG / T6 (CA)

LOAD CELL NONINCENDIVE
FIELD WIRING PARAMETERS
Models SLB215
SLB415
V_{MAX} = 20V
I_{MAX}= 600mA
Ci = 0 µF
Li =0 µH
T-Code: T6
-40℃≤Ta≤+50℃

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

NON HAZARDOUS LOCATION

FM APPROVED ASSOCIATED NONINCENDIVE
FIELD WIRING APPARATUS
WITH NIFW PARAMETERS

NIFW parameter
Rules (Div.2)
$V_{OC} \leq V_{Max}$
$I_{SC} \leq I_{Max}$
$C_a \geq \sum Ci + C_{Cable}$
$L_a \geq \sum Li + L_{Cable}$

Notes 4,5,6,7,8

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

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FM APPROVED NONINCENDIVE FIELD WIRING
APPARATUS WITH NIFW PARAMETERS

NIFW parameter
Rules (Div.2)
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Notes 4,5,7,8

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

NOTES:

1. INTEGRAL LOAD CELL CABLE TO BE 100FT OR LESS.
2. THE RESISTANCE BETWEEN ALL SAFETY GROUND CONNECTIONS AND THE SYSTEM GROUNDING ELECTRODE MUST NOT EXCEED 1 Ω.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, NFPA 70, ARTICLES 501,502,503 AND ANSI/ISA-RP12.12.01, CANADIAN ELECTRICAL CODE CSA 22.1 PART1.
4. UL LISTED METTLER TOLEDO MODELS IND560 AND IND780 MAY BE USED FOR DIV.2 INSTALLATION AS LONG AS THE ASSOCIATED NIFW ENTITY PARAMETERS DO NOT EXCEED Voc=20V AND Isc=600mA.
5. THE MAXIMUN UNCLASSIFIED LOCATION VOLTAGE, Um=250V AC/DC.
6. ASSOCIATED NIFW APPARATUS CONTROL DRAWINGS MUST ALSO BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT.
7. 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.
8. IF CABLE ELECTRICAL PARAMETERS ARE UNKNOWN. THE FOLLOWING VALUES MAY BE USED:
   C_{CABLE} =197pF/m(60pF/ft)
   L_{CABLE} =0.66µH/m(0.20 µH/ft)

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

版本/VER	更改号/ER,ECN.NO.	更改人/BY	日期/DATE
C	500000079221	许宇军	2020.3.05
B	500000056234	许宇军	2018/07

设计/DRN	郝德刚	批准/APPD	戴峰
审核/CHECK	许宇军	认证/AGEN	刘玉春
工艺/MFG	周正宇	日期/DATE	2013/02/20

Drawing

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

SHEET: 第 2 页 of 共 2 页

METTLER TOLEDO
MTCN / MTCT / MTCZ

Control drawing,FM/cFM,SLB215&SLB415

30032271C

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