

B95L99C10C

HAZARDOUS (CLASSIFIED) LOCATION
Class I Div.2 Groups ABCD
Class II Div.2 Groups FG
Class III Div.2

NON HAZARDOUS LOCATION

LOAD CELL
Models SLB515
SLB815
ENTITY PARAMETERS
V_{max} = 20V
I_{max} = 600mA
P_i = 1.25W
C_i = 0 μF
L_i = 0 μH
T-Code: T6
-4.0℃≤T_a≤+50℃

V_{max} = 20V

I_{max} = 600mA

P_i = 1.25W

C_i = 0 μF

L_i = 0 μH

T-Code: T6

-4.0℃≤T_a≤+50℃

FM APPROVED ASSOCIATED NONINCENDIVE
FIELD WIRING APPARATUS
WITH NIFW PARAMETERS
NIFW parameter
Rules (Div.2)

Notes 4,5,6,7,8

V_{oc} ≤ V_{max}

I_{sc} ≤ I_{max}

C_a ≥ ∑ C_i + C_{cable}

L_a ≥ ∑ L_i + L_{cable}

HAZARDOUS (CLASSIFIED) LOCATION

LOAD CELL
Models SLB515
SLB815
ENTITY PARAMETERS
V_{max} = 20V
I_{max} = 600mA
P_i = 1.25W
C_i = 0 μF
L_i = 0 μH
T-Code: T6
-4.0℃≤T_a≤+50℃

V_{max} = 20V

I_{max} = 600mA

P_i = 1.25W

C_i = 0 μF

L_i = 0 μH

T-Code: T6

-4.0℃≤T_a≤+50℃

FM APPROVED NONINCENDIVE FIELD WIRING
APPARATUS WITH NIFW PARAMETERS

Notes 4,5,7,8

NIFW parameter
Rules (Div.2)

V_{oc} ≤ V_{max}

I_{sc} ≤ I_{max}

C_a ≥ ∑ C_i + C_{cable}

L_a ≥ ∑ L_i + L_{cable}

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 1Ω.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, NFPA 70, ARTICLES 501,502,503 AND ANSI/ISA-12.12.01
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 V_{ac}=20V AND I_{ac}=600mA.
5. THE MAXIMUM UNCLASSIFIED LOCATION VOLTAGE, U_m=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 C_d AND L_d.
8. IF CABLE ELECTRICAL PARAMETERS ARE UNKNOWN, THE FOLLOWING VALUES MAY BE USED:
C_{cable} =197pF/m(60pF/ft)
L_{cable} =0.66 μH/m(0.20 μH/ft)

NOTICE

THIS ITEM USED IN:

☒ AGENCY APPROVED PRODUCT

☐ O.E.M. PRODUCT

DO NOT CHANGE DOCUMENT WITHOUT APPROPRIATE APPROVAL

Drawing

METTLER TOLEDO
MTCN / MTCT / MTCZ

Control drawing, FM, SLB515&SLB815

30136756B

认证标识/Appro Mark

☐ Metrology

☐ Safety

☒ Ex

NOTICE

THIS ITEM USED IN:

☒ AGENCY APPROVED PRODUCT

☐ O.E.M. PRODUCT

DO NOT CHANGE DOCUMENT WITHOUT APPROPRIATE APPROVAL

Drawing

METTLER TOLEDO
MTCN / MTCT / MTCZ

Control drawing, FM, SLB515&SLB815

30136756B

认证标识/Appro Mark

☐ Metrology

☐ Safety

☒ Ex