

365069E0E

SAFE AREA

ZONE 2 / 22

HAZARDOUS AREA

-10°C ≤ T ≤ +40°C

NOTES:

1. INSTALLATION MUST BE IN ACCORDANCE WITH ANSI/NFPA 70 ARTICLES, 500-503, AND THE CANADIAN ELECTRICAL CODE (CSA 22-1)
2. MAXIMUM NONHAZARDOUS VOLTAGE FOR ALL COMPONENTS IS 250VAC.
3. ACT350POWERCELL CAN ONLY BE LOCATED IN SAFE AREA.
4. NONNCEIVEDIVE FIELD CIRCUIT CONNECTION RULES:

5. NO CHANGES MAY BE MADE TO THIS DRAWING WITHOUT AGENCY APPROVAL.

6. ALL GROUNDING CONNECTIONS MUST BE LESS THAN 1 OHM RESISTANCE TO TRUE EARTH GROUND.

7. THE ALLOWABLE QUANTITY N OF DIGITAL LOAD CELL SHALL BE CHECKED AGAINST NOTE 4.

8. DIRECT CONNECTION OF THESE INTERFACES TO EQUIPMENT E IN HAZARDOUS AREA IS PROHIBITED.

9. LISTED/RECOGNIZED 12VDC SELV POWER SUPPLY ONLY.

10. DIN RAIL MUST BE GROUNDED.

11. THE LAST LOAD CELL IN THE DAISY CHAIN MUST BE TERMINATED WITH APPROPRIATE TERMINAL RESISTOR.

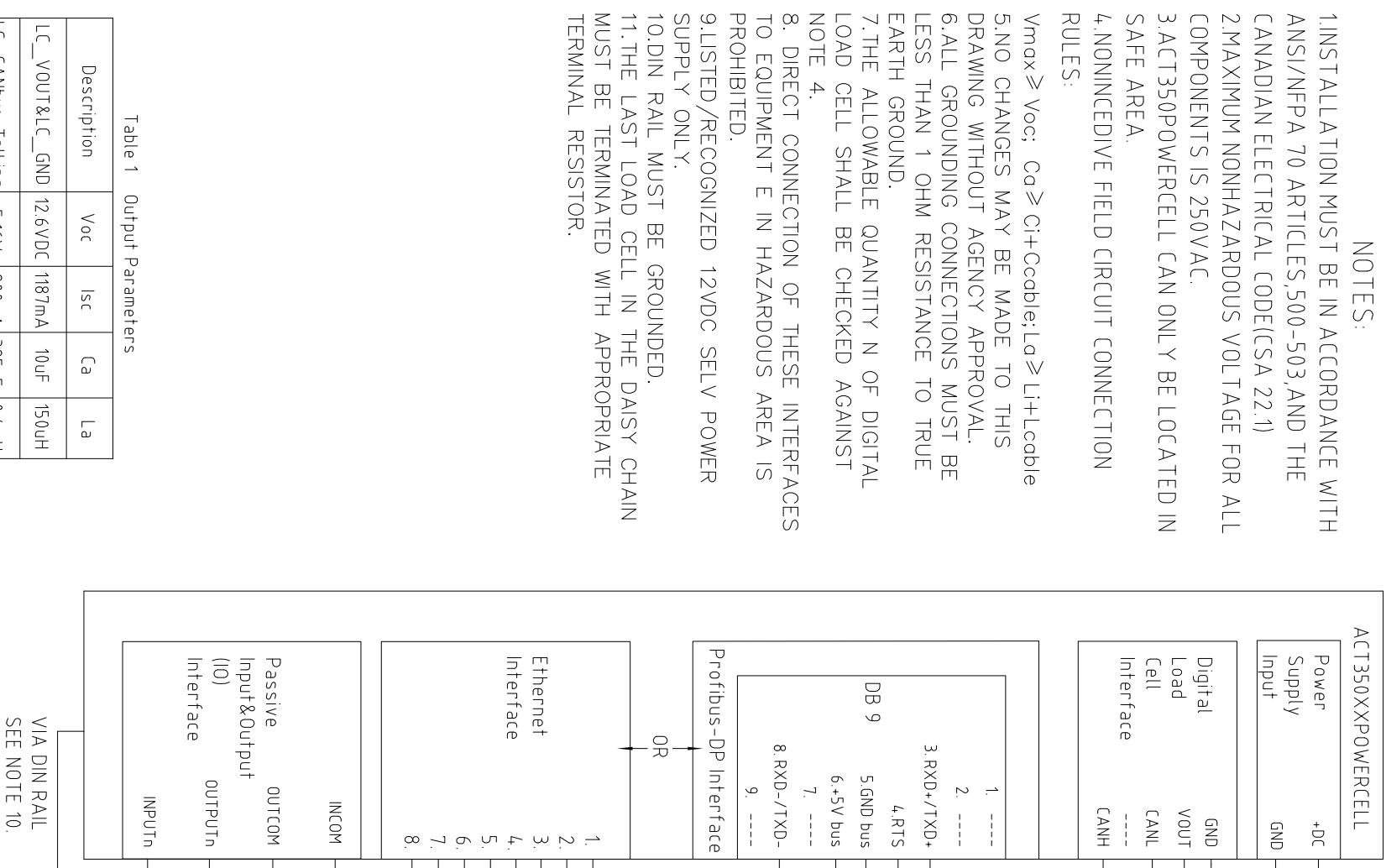
120-240 VAC 50/60HZ POWER SOURCE IN ACCORDANCE WITH PER POWER SUPPLY MANUFACTURER'S INSTALLATION INSTRUCTIONS.

Hazardous Location
Class I, Division 2, Group C,D
Class II, Division 2, Group F,G
Class III, Division 2
Class I Zone 2 IIB(US ONLY)
Zone 22 IIIB(US ONLY)

NIFW PARAMETERS:
See table 1

Cable=60pF/FOOT
Lcable=0.2uH/FOOT

See note 7.



TO PROCESS CONTROL EQUIPMENT WITH PROFIBUS-DP SEE NOTE 8.

TO PROCESS CONTROL EQUIPMENT WITH PROFINET/ETHERNET IP/ETHERCAT SEE NOTE 8.

VIA DIN RAIL SEE NOTE 10.

Table 1 Output Parameters

Description	Voc	Isc	Ca	La
LC_VOUT&LC_GND	12.6VDC	1187mA	10uF	150uH
LC_CANbus-Talking	5.16V	200mA	325uF	0.4mH

认证标志/Appro Mark

Metrology

Safety

Ex

13 12 11 10 9 8 7 6 5 4 3 2 1

Mettler-Toledo GmbH, Im Langacher 44, 8606 Greifensee, Switzerland

CONTROL DRAWING (FM/CSA)

FS Num. SP 重量/WGT 比例/SCALE

设计/DRN 徐森 批准/APPD 毕留利 S A 1:1

审核/CHECK 张颖 认证/AGEN Bill

工艺/MFG 王继峰 日期/DATE 2018-3-15

SHEET: 第 1 页 of 共 1 页

Control Drawing, ACT350XXPOWERCELL

METTLER TOLEDO
MTCN / MTCI / MTCZ

30369059E

NOTICE

THIS ITEM USED IN:

AGENCY APPROVED PRODUCT

O.E.M. PRODUCT

DO NOT CHANGE DOCUMENT WITHOUT APPROPRIATE APPROVAL