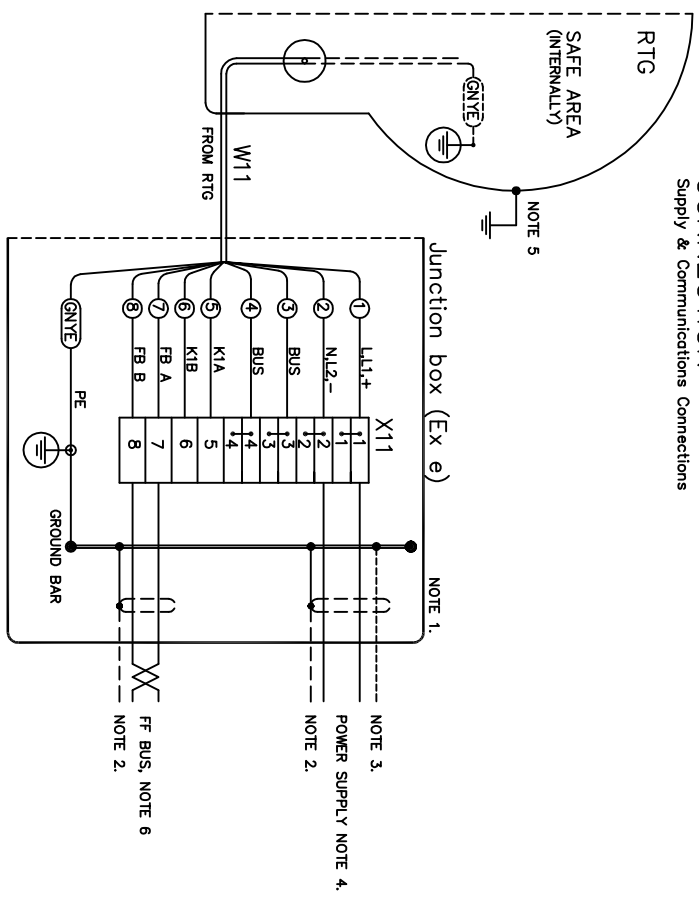


POWER-FF "Non-IS" (FOUNDATION FIELDBUS)
 CONNECTION
 Supply & Communications Connections



- ⑥ FF-BUS: POLARITY INDEPENDENT, U_n max: 42.4V, I_n =12.5mA.
- ⑦ BUS CABLE: ACC TO FOUNDATION FIELDBUS RECOMMENDATIONS.
- ⑤ TANK EARTH CONNECTION MIN 4 SQMM REQUIRED FOR INST. ACC TO GENIEC.
- ④ NOMINAL INPUT: 100-240V, 50-60HZ, MAX 80VA
 INSTALLATION CATEGORY III ACC TO IEC 664
 IT IS RECOMMENDED TO INSTALL A CIRCUIT BREAKER CLOSE TO THE RTG.
 ALTERNATIVE POWER SUPPLY:
 NOMINAL INPUT: 48-99VDC OR 34-70VAC, 50-60HZ, MAX 80VA
 EXTERNAL FUSE RATING:
 SELECT EXTERNAL FUSE RATING WITH RESPECT TO AREA TEMPERATURE CLASSIFICATION (T1-T6)
 AND MAXIMUM EXPECTED AMBIENT TEMPERATURE TO PREVENT OVERHEATING OF THE INTERNAL
 WIRING IN THE JBI JUNCTION BOX (AWG 20-0.5 SQMM). EXAMPLE: MAX. ALLOWED (FAULT)
 CURRENT IN A 14 INSTALLATION WITH 70°C AMBIENT IS 7.5A ACC. TO THE LEAD SEAL
 COMPONENT CERTIFICATE F1897ATE1047U
- ③ RTG ENCLOSURE IS EARTHED LOCALLY ON THE TANK FOR EXPLOSION
 PROTECTION AND ELECTRICAL SAFETY.
 A SEPARATE PROTECTIVE EARTH CONNECTION TO THE POWER DISTRIBUTION
 CENTRAL IS NOT RECOMMENDED UNLESS REQUIRED BY NATIONAL AUTHORITIES.
 A GROUND LOOP WITH CIRCULATING CURRENT MAY OCCUR.
- ② SHIELDED CABLE RECOMMENDED FOR VALID EMC PERFORMANCE ACC TO EN 50082-2
 CIRCULATING CURRENT MAY OCCUR.
- ① JBI (Junction Box Integrated) Ex e/ WHERE TERMINAL (X11) AWG 20-12 OR 0.5-4 SQMM
 OPTIONAL: 2.5m FLUING LEADS FOR EXTERNAL JUNCTION BOX (CUSTOMER OR RTR SUPPLY)
 DEPENDING ON NATIONAL CODE OF PRACTICE.

Product Discontinued

ISSUED BY	WEEK	PRODUCT CODE	FILE	ACAD	INSTALLATION DRAWING TITLE
GU-HF	0332	REX			ELECTRICAL INST. DWG, REX
APPROVED BY	WEEK	ORIGINAL DWG NO.	SCALE		POWER-FF BUS (Non-IS) CONN. W11/X11
CU-LN	0332	9150072-929	1:1		
ROSEMOUNT		1 ST ANGLE	DOC TYPE	DWG NO.	ISSUE SHEET
Tank Gauging			2	9150072-929	2 1/1

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