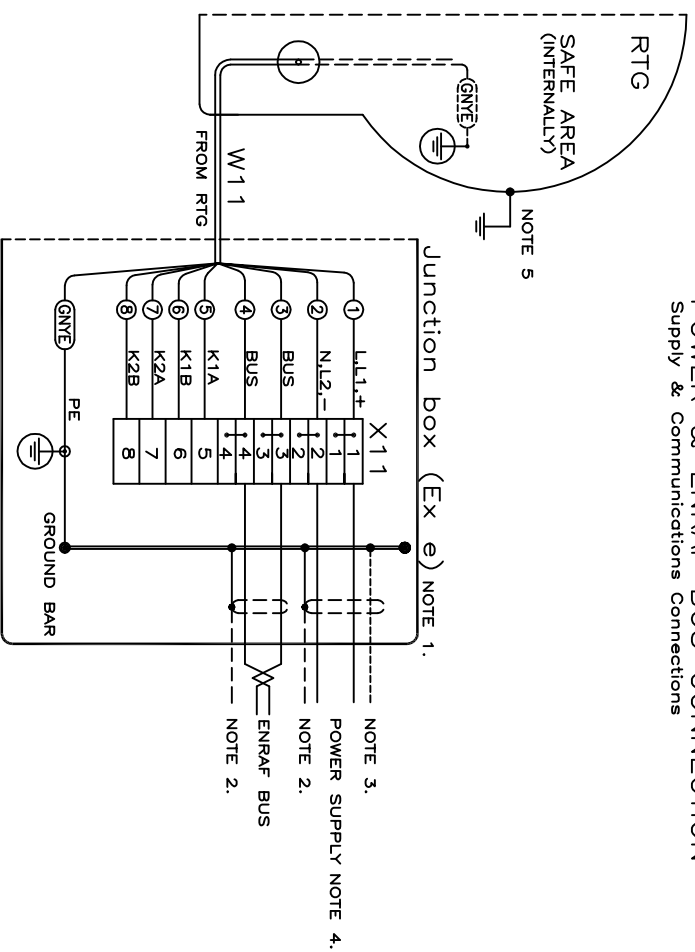


## POWER & ENRAF BUS CONNECTION

Supply & Communications Connections



- ⑤ TANK EARTH CONNECTION MIN 4 SQMM REQUIRED FOR INST. ACC TO CENELEC.
  - 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.  
 AT SPARKING POINTS TO PREVENT OVERHEATING OF THE INTERNAL COMPONENTS.  
 NOMINAL INPUT: 45–89VDC OR 14–20VDC, 50–60Hz, MAX 80VA  
 NOMINAL INPUT: 20–28 VDC MAX. 30 W.
- 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 T4 INSTALLATION WITH 70°C AMBIENT IS 7.5A ACC. TO THE LEAD SEAL  
 COMPONENT CERTIFICATE P1897A/TEX1047U
- 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 ONLY AT ONE END OTHERWISE A GROUND LOOP WITH  
 CIRCULATING CURRENT MAY OCCUR.
  - ① JBI (Junction Box Integrated) Ex e / WIRE TERMINAL (X11) AWG 20–12 OR 0.5–4 SQMM,  
 OPTIONAL: 2.5m FLYING LEADS FOR EXTERNAL JUNCTION BOX (CUSTOMER OR RTR SUPPLY)  
 DEPENDING ON NATIONAL CODE OF PRACTICE.

# Product Discontinued

ISSUED BY	WEEK	PRODUCT CODE	TITLE	ACAD	SCALE	INSTALLATION DRAWING TITLE
CU-HF	0114	REX				ELECTRICAL INSTALLATION DWG, REX
APPROVED BY	WEEK	ORIGINAL DWG NO.				POWER-ENRAF BUS CONN. W11/X11
CU-LN	0114	9150072-931		1:1		
				1 <sup>ST</sup> ANGLE		
				DOC TYPE	DWG NO.	
				2	9150072-931	
				ISSUE		
				4		
				SHEET		
				1/1		

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 PROSECUTED. ROSEMOUNT TANK RADAR AB, SWEDEN.