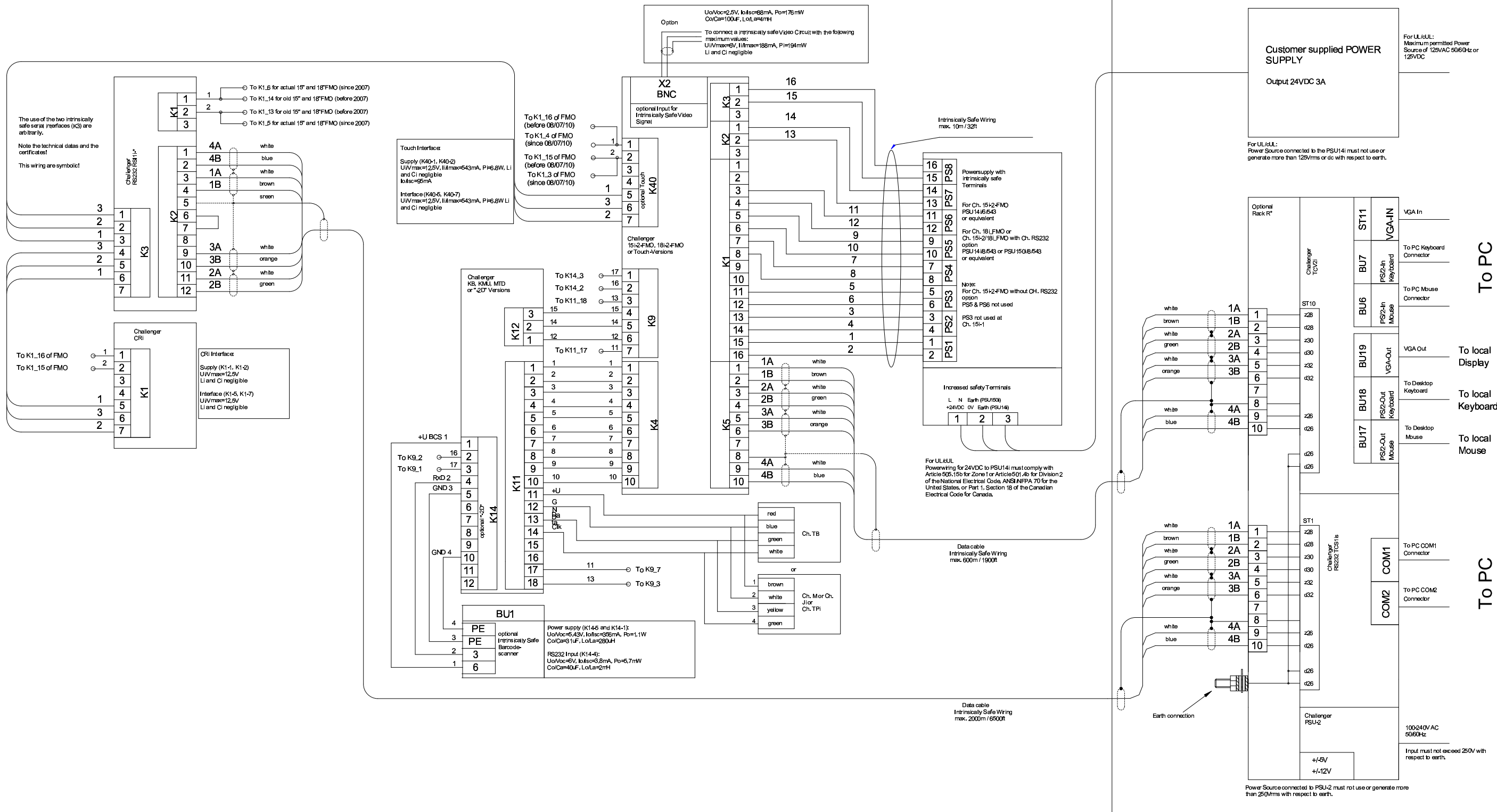


HAZARDOUS AREA

For UL/dUL:
Class I, Zone 1, IIC T4
Class I, Division 2, Group A,B,C,D T4



All not otherwise specified intrinsically safe wiring max. 5m / 16ft.

For UL/dUL:
All Intrinsically Safe wiring must comply with Article 504 of the National Electrical Code, ANSI/NFPA 70 for the United States, or Part 1, Section 18 of the Canadian Electrical Code for Canada. All intrinsically safe wiring shall be kept separate from non-intrinsically safe wiring.

The selected video device connected to X2 or the barcode scanner connected to BU1 shall be approved with intrinsically safe circuits which satisfy the following:
 $U_o/V_o \leq U_i/V_{max}$
 $I_{olsc} \leq I_{ilmax}$
 $C_o/C_a \geq C_i$ plus Cable
 $L_o/L_a \geq L_i$ plus Cable
 $P_o \leq P_i/P_{max}$

Where cable capacitance and inductance per foot are not known, the following values shall be used:
Cable=60pF/ft, Lcable=0.2uH/ft

			Ersteller: A.Jung	Datum:20.01.02
			Geprüft: A.Jung	Datum:
			Maßstab: 1 : 1	Gewicht:
			Werkstoff:	Oberfläche:
			0	
			Titel:	
			Challenger 15i/18i	
			Installationsplan	
			GeCma Components GmbH	
			D-50169 Kerpen, Germany	
			Zeichnungsnummer:	
			30100162	
			Blatt:	
			1/1	