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2-Wire Transmitter Stratos® Pro Type A20.X... or A21.X...

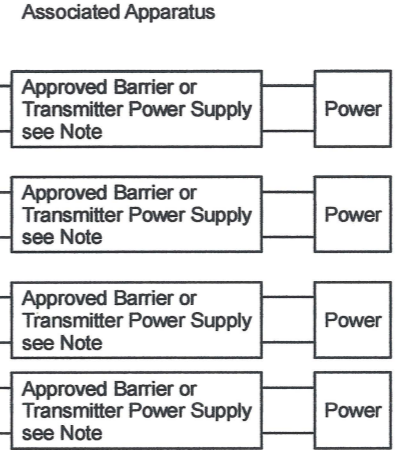
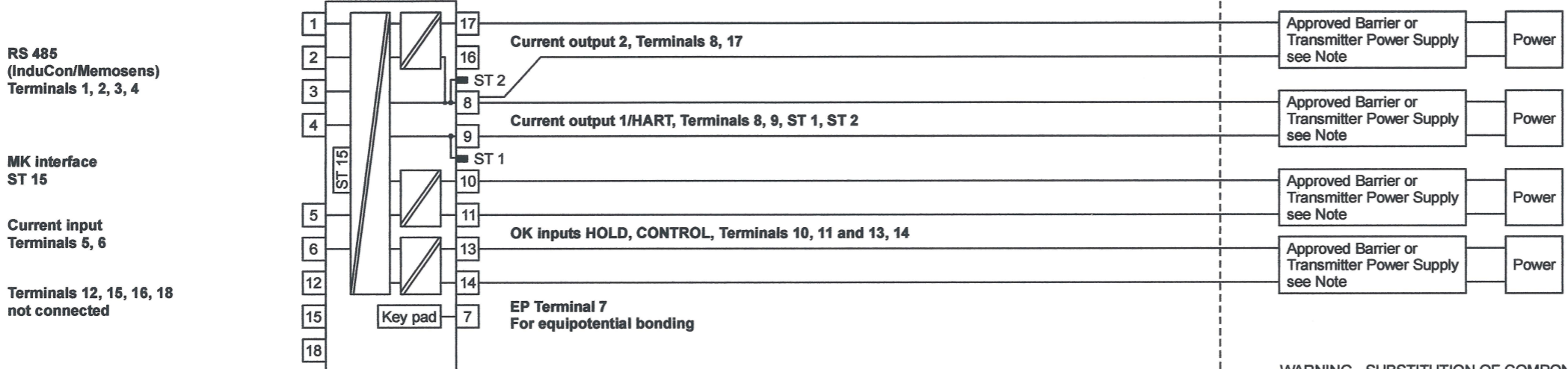
(intrinsically safe apparatus)
 IS Class I, II, III, Division 1, Groups A, B, C, D, E, F, G, T4, Ta = 65 °C; Entity; Type 4X
 NI Class I, II, III, Division 2, Groups A, B, C, D, E, F, G, T4, Ta = 65 °C; Type 4X
 AIS, Class I, II, III, Division 1, Groups A, B, C, D, E, F, G
 Class I, Zone 1, AEx ia IIC T4, Ta = 65 °C; Entity; Type 4X
 Class I, Zone 2, AEx nA IIC T4, Ta = 65 °C; Type 4X
 -20 °C ≤ Ta ≤ +65 °C

2-Wire Transmitter Stratos® Pro Type A20.B... or A21.B...

(non-incendive apparatus)
 NI Class I, II, III, Division 2, Groups A, B, C, D, E, F, G, T4, Ta = 65 °C; Type 4X
 Class I, Zone 2, AEx nA IIC T4, Ta = 65 °C; Type 4X
 Class II, III Zone 22, AEx tD T4, T85°C, Type 4X
 -20 °C ≤ Ta ≤ +65 °C

Hazardous Classified Area

Unclassified Area



WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY
 WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR THE SUITABILITY FOR DIV 2 / ZONE 2
 WARNING - DO NOT SEPARATE MODULE WHEN ENERGIZED

- Notes
- The Intrinsic Safety Entity concept allows the interconnection of FM Approved intrinsically safe devices with entity parameters not specifically examined in combination as a systems when:
 U_o or V_{oc} or $V_t \leq V_{max}$, I_o or I_{sc} or $I_t \leq I_{max}$, $P_o \leq P_i$, C_a or $C_o \geq \sum C_i + \sum C_{cable}$
 For inductance use either L_a or $L_o \geq \sum L_i + \sum L_{cable}$ or $L_e/R_e \leq (L_a/R_a$ or $L_o/R_o)$ and $L_i/R_i \leq (L_a/R_a$ or $L_o/R_o)$
 - Installation should be in accordance with ANSI/ISA RP12.06.01, "Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations" and the National Electrical Code® (ANSI/NFPA 70).
 - No revisions to drawing without prior FM Approvals authorisation.
 - Stratos® Pro Type A2..X: Intrinsically Safe Equipment connecting to 1 to 17 must be FM Approved or be a simple Apparatus.
 - Associated apparatus must be FMRC Approved and must be used in an FMRC Approved configuration. The Control drawing for the associated apparatus must be followed when installing this equipment.
 - Control equipment connected to the associated apparatus must not use or generate more than 250 V.
 - Do not disconnect equipment unless power has been switched of or the area is known to be non hazardous.

In type of protection intrinsic safety only for connection to intrinsically safe circuits, with the following maximum values										
	U _i , V _{max} (V)	I _i , I _{max} (mA)	P _i , P _{max} (mW)	C _i (nF)	L _i (µH)					
Current output 1 / HART (Terminals 8, 9, ST1, ST2)	30	100	800	5.3	2.5					
Current output 2 (Terminals 8, 17)	30	100	800	5.3	2.5					
Current input (Terminals 5, 6)	30	100	800	12	0					
OK input HOLD (Terminals 10, 11)	30	100	1000	0	0					
OK input CONTROL (Terminals 13, 14)	30	100	1000	0	0					
In type of protection intrinsic safety, with the following maximum values										
	Class I GRP A,B GRP IIC		Class I GRP C GRP IIB		Class I GRP D Class II GRP E,F,G Class III GRP IIA					
	U _o , V _{oc} (V)	I _o , I _{sc} (mA)	P _o (mW)	C _o , C _a (µF)	L _o , L _a (mH)	C _o , C _a (µF)	L _o , L _a (mH)	C _o , C _a (µF)	L _o , L _a (mH)	
RS 485 (InduCon/Memosens) (Terminals 1, 2, 3, 4)	5	124	155	83.2	2	1000	8.5	1000	16	Linear characteristic
MK interface	only for connection to a measuring module MK-..., belonging to Stratos® Pro Type A... system									
EP (Terminal 7)	For equipotential bonding									

Simultaneous connection of a measuring module MK-... and an InduCon measuring system is not permitted.

IS Safe galvanic isolation up to 60 V

Verteiler: FUL (2x) <i>FUL 2x, 12.2017 beh</i>		Zul. Abweichungen für Maße ohne Toleranzangabe		Maßstab	
				Halbzeug	
		Datum Name		Benennung	
		Bearb. 24.10.2008 dam		Stratos® Pro A2..X...	
		Gepr. (KON) <i>h</i>		FM Control dwg. A2..B...	
		Freigabe <i>26.8.09</i>		Zeichnungsnummer	
		Schutzvermerk nach ISO16016 beachten.		212.002-300	
1 Texts		25.08.09 dam		Blatt	
Nr. Änderungen		Datum Bearb. FGL KON		1	
		Elektronische Messgeräte GmbH & Co. KG		1 Bl.	

