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PA/FF Transmitter Stratos Pro Type A221X... or A231X... (intrinsically safe apparatus)

Hazardous Classified Area

Unclassified Area

IECEX	Ex ia IIC T6...T4 Ga	ATEX	II 1G	Ex ia IIC T6...T4 Ga
	Ex ib [ia Ga] IIC T6...T4 Gb		II 2(1)G	Ex ib [ia Ga] IIC T6...T4 Gb
	Ex ic [ia Ga] IIC T6...T4 Gc		II 3(1)G	Ex ic [ia Ga] IIC T6...T4 Gc
	Ex ib [ia Da] IIIC T80°C Db		II 2(1)D	Ex ib [ia Da] IIIC T80°C Db
	FISCO field device			FISCO field device

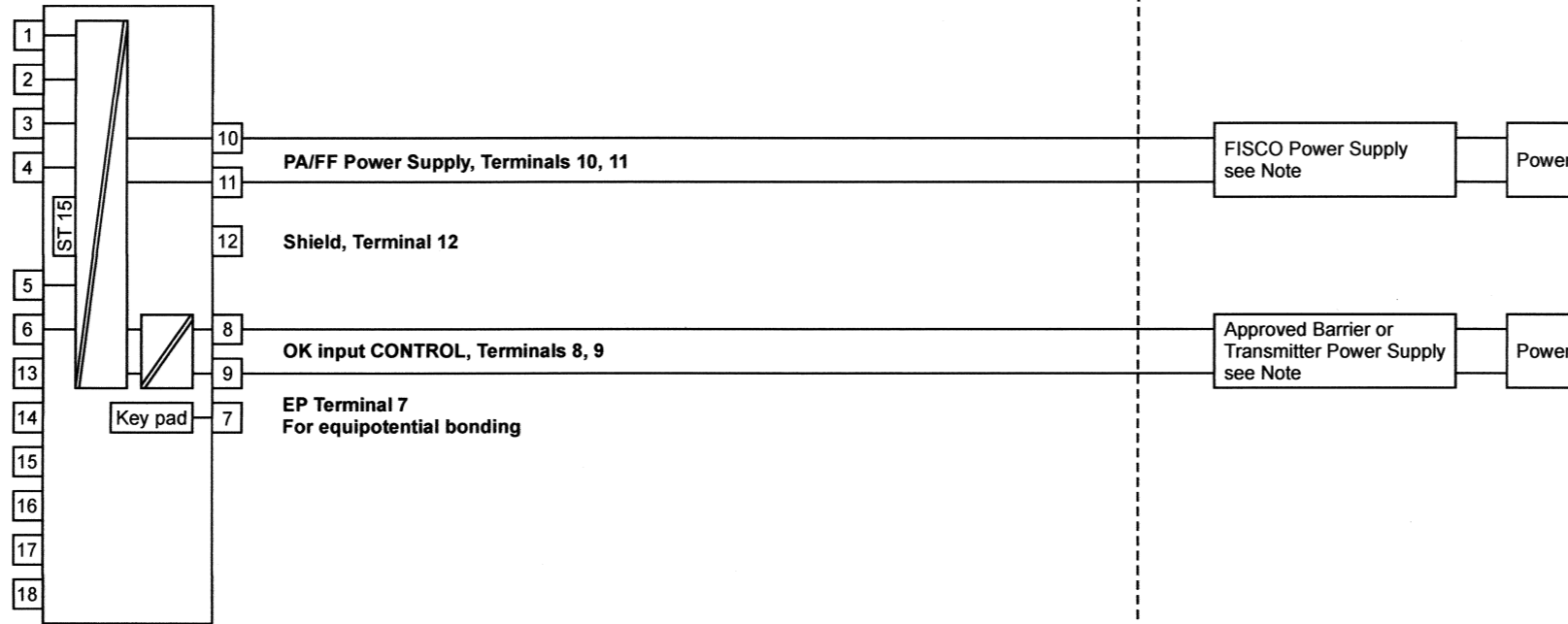
Ambient temperature
 - for gas, T6, T5: $-20\text{ °C} \leq Ta \leq +50\text{ °C}$
 - for gas, T4...T1: $-20\text{ °C} \leq Ta \leq +65\text{ °C}$
 - for dust: $-20\text{ °C} \leq Ta \leq +65\text{ °C}$

RS 485
(InduCon/Memosens)
Terminals 1, 2, 3, 4

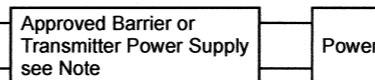
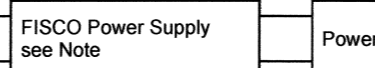
MK interface
ST 15

Terminals 5, 6
not connected

Terminals 13, 14, 15, 16, 17, 18
not connected



Associated Apparatus



	In type of protection intrinsic safety Ex ia or ib with the following maximum values																	
	Ui, Vmax (V)	Ii, Imax (mA)	Pi, Pmax (W)	Ci (nF)	Li (µH)													
PA/FF Power Supply (Terminals 10, 11)	17.5	380	5.32	5	10													
OK input CONTROL (Terminals 8, 9)	30	100	1	0	0													
	In type of protection intrinsic safety Ex ic with the following maximum values																	
	Ui, Vmax (V)	Ii, Imax (mA)	Pi, Pmax (W)	Ci (nF)	Li (µH)													
PA/FF Power Supply (Terminals 10, 11)	17.5	570	No Restriction	5	10													
OK input CONTROL (Terminals 8, 9)	30	100	1	0	0													
	In type of protection intrinsic safety Ex ia with the following maximum values																	
	Explosive gas atmosphere			Explosive dust atmosphere			IIC			IIB			IIA			IIC, IIB, and IIA		
	Uo, Voc (V)	Io, Isc (mA)	Po (mW)	Co, Ca (µF)	Lo, La (mH)	Co, Ca (µF)	Lo, La (mH)	Co, Ca (µF)	Lo, La (mH)	Co, Ca (µF)	Lo, La (mH)	Ci (µF)	Li (µH)					
RS 485 (InduCon/Memosens) (Terminals 1, 2, 3, 4) Linear characteristic	5	124	155	83.2	2	1000	8.5	1000	16	10.7	1.2							
MK interface	Only for connection to a measuring module MK-..., belonging to Stratos® Pro Type A... system																	
EP (Terminal 7)	For equipotential bonding																	
Shield (Terminal 12)	For PA/FF Shield																	

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

IS Safe galvanic isolation up to 60 V

WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY

WARNING - DO NOT SEPARATE MODULE WHEN ENERGIZED

Notes

- Control equipment connected to the associated apparatus must not use or generate more than 250 V.
- At the time of installation mark the selected type of protection on the equipment marking.

Zul. Abweichungen für Maße ohne Toleranzangabe		Maßstab	
		Zulassung IECEx: KEM 08.0020 ATEX: KEMA 08 ATEX 0100	
Benennung		Control Drawing Stratos Pro A221X..., A231X...	
Zulassung		212.002-100	
Blatt		7	
Bl.			
2 Normenanpassung		22.01.22 kmn	
1 Normenupdate		23.04.21 dam	
Nr. Änderungen		Datum Bearb. Freigabe	
		Elektronische Messgeräte GmbH & Co. KG	

