

# XP95 I.S. Galvanic Barrier



## Technical data (cont'd)

Entity parameter			
Certification number	4Z6A5.AX		
FM control drawing	No. 116-0129		
Suitable for installation in Division 2	Yes		
Connection type	Terminals 2, 1		
Voltage <sub>OC</sub>	28.5 V		
Current I <sub>SC</sub>	95 mA		
Explosion group	A&B	A&B	D, F&G
Max. external capacitance C <sub>a</sub>	0.13 F	0.41 F	1.1 F
Max. external inductance L <sub>a</sub>	4.09 mH	16.02 mH	32.82 mH
Safety parameter			
CSA control drawing	LR 65756-13		
Control drawing	No. 116-0132		
Connection type	Terminal 2, 1		
Safety parameter	28 V / 300 Ohm		
Voltage <sub>OC</sub>	28 V		
Current I <sub>SC</sub>	95 mA		
Explosion group	A&B	C&E, D	F&G
Max. external capacitance C <sub>a</sub>	0.14 F	0.42 F	1.1 4F
Max. external inductance L <sub>a</sub>	3.1 mH	16.7 mH	34.0 mH
TUV 99 ATEX 1499 X (observe conformity statement)			
Approved for Zone 2 (Ex) II 3 G EEx n A II T4			
Output (not intrinsically safe)			
Connection type	Terminal 11+, 12 -; 9 +, 10 -		
Voltage	0 to 26 V - for 4 V U <sub>in</sub> 26 V U <sub>in</sub> -(0.38 x current in mA) - 0.5		
Current	1 to 20 mA		
Transfer characteristics			
Deviation	-1,6 mA to 0 mA (incl. non-linearity, hysteresis, load and dc quiescent current)		
After calibration			
Temperature	20 A/K		
Rise time	50 s (load current 1 mA)		
Galvanic isolation			
Input/Output	Available		
Ambient conditions			
Ambient temperature	-20°C to -60°C (253 to 333 K)		
Standard conformity			
Co-ordination of insulation	DIN EN 50178		
Galvanic isolation	DIN EN 50178		
EMC compatibility	EN 50081-2 / EN 50082-2. NAMUR NE 21		
Mechanical specifications			
Mass	100g		

## Product Overview

Product	XP95 I.S. Galvanic Barrier
Part No.	29600-098

## Approvals



## Product Information

The XP95 Intrinsically Safe (I.S.) Galvanic Barrier is installed in the safe area and ensures system integrity.

The device also enables compliance with the ATEX directive

## Technical data

All data is supplied subject to change without notice. Specifications are typical at 24 V, 23°C and 50% RH unless otherwise stated.

Input (intrinsically safe)	
Connection type	Terminals 1+, 2-; 4+, 5-
Transmission range	Voltage: 4 to 26 V dc/0 to 6 V SSac current: 1 to 20 mA
Short-circuit current	65 mA
Details of certificate of conformity	
Certification number	BAS No. Ex 95C2064
Group, category, ignition protection method	[EEx ia] IIC (T <sub>amb</sub> = 60°C)
Voltage U <sub>0</sub>	28 V
Current I <sub>0</sub>	93 mA
Power P <sub>0</sub>	653 mW
Allowable circuit values	
Ignition protection class, category	[EEx ia]
Explosion group	IIA IIB IIC
External capacitance	1.03 F 0.38 F 012 F
External inductance	33.6 H 12.6 H 4.2 mH

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