

XP95 IS Galvanic Barrier

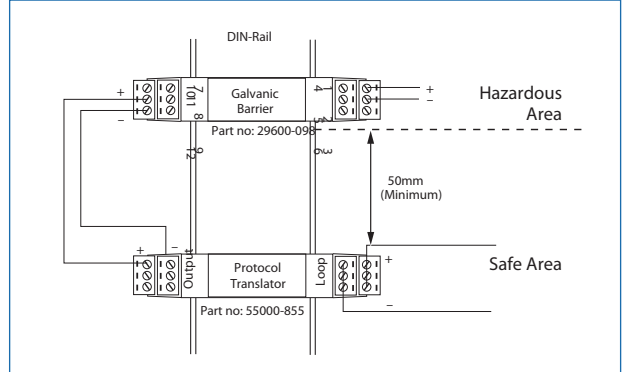


29600-098
XP95 IS Galvanic Barrier

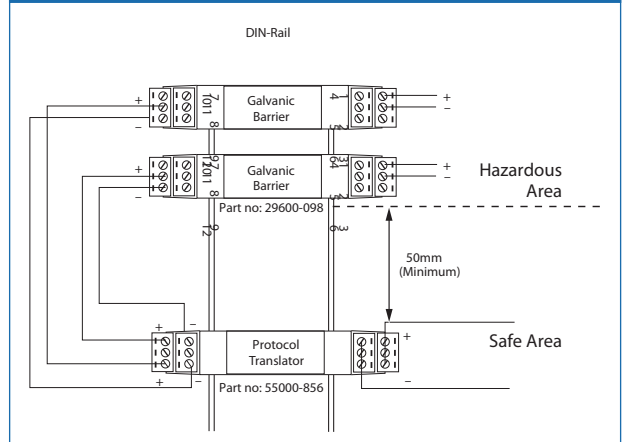
The XP95 IS Galvanic Barrier is installed in the safe area and ensures system integrity.

- Enables compliance with the ATEX directive

Analogue Addressable IS Configuration for 29600-239



Analogue Addressable IS Configuration for 29600-240



XP95 IS Galvanic Barrier *continued*

Technical Data

KFD0-CS-Ex1.54

Input (intrinsically safe)

Connection type	Terminals 1+, 2-, 4+, 5-
Transmission range	Voltage: 4 ... 26 V DC/0 ... 6 VSSAC current: 1 ... 20 mA
Short-circuit current	65 mA

Details of certificate of conformity

Certification number	BAS No. Ex 95C2064; for additional certifications refer to the approval list
Group, category, ignition protection method	[EEx ia] IIC (T _{amb} = 60°C)
Voltage U _o	28 V
Current I _o	93 mA
Power P _o	653 mW

Allowable circuit values

Ignition protection class, category [EEx ia]			
Explosion group	IIA	IIB	IIC
External capacitance	1.03 F	0.38 F	0.12 F
External inductance	33.6 mH	12.6 mH	4.2 mH

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 V _{OC}	28.5 V		
Current I _{SC}	95 mA		
Explosion group	A&B	A&B	D, F&G
Max. external capacitance C _a	0.13 F	0.41 F	1.1 F
Max. external inductance L _a	4.09 mH	16.02 mH	32.82 mH

Safety parameter

CSA control drawing	LR 65756-13		
Control drawing	No. 116-0132		
Connection type	Terminals 2, 1		
Safety parameter	28 V / 300 Ohm		
Voltage V _{OC}	28 V		
Current I _{SC}	93.3 mA		
Explosion group	A&B	C&E D,	F&G
Max. external capacitance C _a	0.14 F	0.42 F	1.14 F
Max. external inductance L _a	3.1 mH	16.7 mH	34.0 mH
Approved for zone 2	TÜV 99 ATEX 1499 X (observe conformity statement) Ⓢ II 3 G EEx n A II T4		

Output (not intrinsically safe)

Connection type	Terminals 11+, 12-, 9+, 10-
Voltage	0 ... 26 V for 4 V U _{in} , 26 V: U _n - (0.38 x current in mA) - 0.5
Current	1 ... 20 mA

Transfer characteristics

Deviation	
After calibration	-1,6 mA ... 0 mA (incl. non-linearity, hysteresis, load and DC quiescent current)
Temperature	20 A / K
Rise time	50 s (load current 1 mA)

Galvanic isolation

Input/Output	Available
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Ambient conditions

Ambient temperature	-20 ... +60 °C (253 ... 333 K)
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Standard conformity

Coordination of insulation	Accord. to DIN EN 50178
Galvanic isolation	Accord. to DIN EN 50178
Electromagnetic compatibility	Accord. to EN 50081-2 / EN 50082-2, NAMUR NE 21

Mechanical specifications

Mass	Approx. 100 g
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