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Switch Input Isolated Safety

Brief introductions

This type of isolated safety barrier transmits d contact or proximity switch) from hazardous a Operation mode, output 2 function and input circ function can be set with the DIP switch on the fr The input, output, and power supply are galvanic each other. This apparatus was designed to be analogue cir kinds of advantages, for instance, high reliabili response etc. It can be interfaced with all kinds c DCS, PLC and other equipments.

Mainly Technical Parameters

Explosive-proof grade	(1) G [Ex ia Ga]
Power supply (9+,10-)	20 V DC ~ 30 V DC
Input (1-, 2+)	
Signal type	Dry contact or NAM
Switching trigger point	Input signal > 2.1 n Input signal <1.2 m
Input resistance	1 kΩ
Short-circuit current	Approx. 9 mA
Open-circuit voltage	Approx. 9.2 V
LFD function	
Input current ≤ 80μA	Line breakage, outpu
Input current ≥ 6mA	Short-circuit, output
Output (5, 6; 7, 8)	
Signal type	Relay (normally op
Load capacity	2 A / 250 V AC, 2 A /
Energized/de-energized delay	< 20 ms
Transmission characteristics	
Relay mechanical life	> 10 ⁵ switching cyc
Switch frequency	< 10 Hz
Electromagnetic compatibility	EMC in accordance 61326-3-1
Electrical isolation	
Dielectric strength	≥ 2500 V AC (Input/C
	1 mA leakage curren
Insulation coordination	≥ 100 MΩ (Input/Ou
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U _m
Certified Ex parameter
U _o
I _o
P _o
C _o
L _o
Ambient conditions
Operation temperatur
Relative humidity
Storage temperature
Dimension
Protection degree
Power dissipation