

NPEXB-K512L

Digital Output Isolated Safety Barrier

Brief introduction

By switch signal controlling, transfers the wet contact signal from safe area into current signals to hazardous area, and drives field device like intrinsically safe valves, audible alarms, displays etc.

The input and output is galvanically isolated from each other. This apparatus was designed to be analogue circuits with various kinds of advantages, for instance, high reliability and quick response etc. It can be interfaced with all kinds of instruments and DCS and PLC.

Mainly Technical Parameters

Explosive-proof grade	(1) G [Ex ia Ga] C
Supply	Loop powered
Input	5+, 6-
Signal type	20 V DC 30 V DC
Input current	70mA (at 20 V DC input voltage) 60mA (at 24 V DC input voltage) 51mA (at 30 V DC input voltage)
Output	1-, 2+(for input voltage 20 ~ 30 V DC)
Internal impedance	227
Output voltage	> 11.25 V
Max. output current	45 mA
Open loop voltage	21.6 V
Transmission characteristics	

e