

The Type 9551 discrete input module is designed to provide intrinsically safe connections to switches or NAMUR proximity sensors installed in Zone 0, 1 gas group IIC or a Class I, Division 1 or hazardous area. The module can be configured to monitor for open-circuit and short-circuit conditions.

<b>Application</b>	switches, NAMUR proximity sensors	
<b>Number of inputs</b>	9551/10-04	4
	9551/10-12	12
<b>Isolation</b>	point to USE point to ground point to point (9551/10-04 only)	

<b>Input characteristics</b>	
Input voltage	8VDC, from module
Resistance	1 kΩ
Threshold	1.2mA < S < 2.1mA
Operating frequency of NAMUR proximity sensor	9551/10-04 any
	9551/10-12 > 1kHz

<b>External power, SVB</b>	
Module	
9551/10-04	4 x 19V/16mA
9551/10-12	19V/40mA
Field	supplied by module

<b>Diagnostics</b>
open-circuit, short-circuit, module failure

