Safety Manager RUSIO IS integration board

System Board FC-GPCS-RIO16-PF

The Pepperl+Fuchs integration board type **FC-GPCS-RIO16-PF** is **specially developed for Intrinsic Safety integration** with the Honeywell Remote Universal Safe IO module type **FC-RUSIO-3224**.

This board is connected to the RUSIO module via the Pepperl+Fuchs system interconnection cable CAHWC300-AIO-DIO-3m.

For both the Pepperl+Fuchs integration board and the RUSIO module the IO **can be flexible configured**.

The IO configuration of the RUSIO module is done via software configuration. The IO configuration of the integration board is done by selecting the correct IS barrier according to the following table:
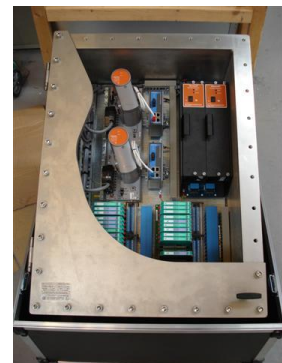
Signal specification	Pepperl+Fuchs barrier	description	SIL
Digital Input	HIC2831R2	NAMUR/Contacts	2
Digital Input	HIC2853R2	NAMUR/Contacts	3
Analog Input	HIC2025	Transmitters/HART	2
Digital Output 24 Vdc	HIC2871	Loop powered	2/3
Analog Output	HIC2031	Current driver	2

Enclosure Solution

Now Pepperl+Fuchs is able to offer custom enclosures including Zone 1 solutions for mounting **in hazardous areas**.

Both the Pepperl+Fuchs integration board and the RUSIO module IO can be configured

- **stainless steel Exd enclosures**
- with **a variety of cable gland configurations**

Benefits

This system board is a common development of Pepperl+Fuchs and Honeywell and is successfully tested and approved (see SMS-MVIP-Certificate) by Honeywell. Exd enclosures for the complete RUSIO system allows universal IS I/O to be mounted in the field.

Selecting the corresponding IS barrier allows the customer a flexible I/O configuration with a **free mix** of Analog In- and Output and Digital In- and Output **signals**.

Please find more information under www.honeywell.pepperl-fuchs.com