

Technical Information  
10-2024

# Control System Compatibility

Ethernet-APL Rail Field  
Switches



The control systems and software that have been verified and tested to work with the Pepperl+Fuchs Ethernet-APL rail field switches are listed in this document. The list will be updated whenever new releases of the Ethernet-APL rail field switch's PANOS firmware or the control system and accompanying software become available.

## Contents

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**Control System**

|                        |   |  |                  |
|------------------------|---|--|------------------|
| <b>System</b>          | System 800xA                                      |  |                  |
| <b>Tested versions</b> | <b>System 800xA</b><br>6.1.1                      | <b>PANOS firmware</b><br>1.2.1, 1.2.2, 1.3.0 |                  |
| <b>Features</b>        | <b>Feature</b>                                    |  | <b>Supported</b> |
|                        | PROFINET  |  | Yes              |
|                        | Ethernet-APL switching                            |  | Yes              |
|                        | PROFIBUS PA device cyclic data                    |  | Yes              |
|                        | S2 system redundancy                              |  | Yes              |
|                        | Media redundancy protocol (MRP)                   |  | Yes <sup>1</sup> |
|                        | Simple device replacement                         |  | Yes              |
|                        | Dynamic reconfiguration                           |  | Yes              |
|                        | Diagnostics                                       |  | Yes              |
| <b>Notes</b>           | <sup>1</sup> Using external switch as MRP manager |  |                  |

**Asset Management**

|                        |  |  |                               |                         |
|------------------------|--|--|-------------------------------|-------------------------|
| <b>System</b>          | ABB Ability™ Field Information Manager   |  |                               |                         |
| <b>Tested versions</b> | <b>Field information manager</b><br>3.1  | <b>PANOS firmware</b><br>1.2.1, 1.2.2, 1.3.0 | <b>FDI package</b><br>1.6.200 | <b>FIMlet</b><br>1.6.80 |
|                        | For details about the compatibility of FDI packages and firmware releases, see FDI package, FIMlet, and firmware release notes   |  |                               |                         |
| <b>Features</b>        | <b>Feature</b>   |  | <b>Supported</b>              |                         |
|                        | Switch configuration   |  | Yes <sup>1</sup>              |                         |
|                        | PROFIBUS PA Proxy  |  | Yes <sup>2</sup>              |                         |
|                        | Communication via FIM Bridge PROFINET  |  | Yes                           |                         |
|                        | Communication via FIM Bridge 800xA 2.8   |  | Yes <sup>3</sup>              |                         |
| <b>Notes</b>           | <sup>1</sup> Device Settings menu fails after enabling an alert<br><sup>2</sup> With FIMlet for Pepperl+Fuchs Ethernet-APL rail field switches<br><sup>3</sup> The Diagnostic menu cannot be opened and the Device Settings menu does not show acknowledged alerts |  |                               |                         |