PAC8000 REMOTE I/O

# Product Data Sheet

## 8623-FT-IS

Intrinsically safe digital input field terminal

| FIELD TERMINAL TYPE | COMPATIBLE I/O MODULE | SIGNAL CLASSIFICATION | REMOTE I/O FAMILY |
|---|---|---|---|
| **Intrinsically safe digital input terminal** | **8220-DI-IS** | **Intrinsically safe digital input** | **PAC8000** |

Emerson 8623-FT-IS is an intrinsically safe field terminal specified for the PAC8000 8220-DI-IS digital input module. It provides the field-wiring termination point for discrete signals in hazardous-area and harsh-environment remote I/O installations.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Field terminal type | Intrinsically safe digital input terminal |
| Compatible I/O module | 8220-DI-IS |
| Signal classification | Intrinsically safe digital input |
| Remote I/O family | PAC8000 |
| Network families | PROFINET and Modbus/TCP |
| Mounting architecture | DIN rail carrier |
| Hot swap | Supported |
| Protection class | IP20 |
| Platform operating temperature | -40 to +70 °C |
| Corrosion resistance | ISA Level G3 |

Values follow the applicable manufacturer documents identified on page 2.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Shock resistance | 30 g |
| Vibration resistance | 5 g |
| UL hazardous-location approval | Class I Division 1 |
| ATEX approval | Zone 1 |
| Channel isolation | Galvanic isolation |

## 03 DOCUMENTED USE SETTINGS

Upstream Petroleum and Gas Processing: Hazardous upstream oil and gas production operations.

Chemical and Petrochemical Production: Continuous chemical processing and batch production environments.

Power Generation and Utility Operations: Thermal power generation and utility production operations.

## 04 SYSTEM COMPATIBILITY

Use 8623-FT-IS only with the documented PAC8000 carrier architecture and the matching 8220-DI-IS digital input module.

## 05 PRODUCT EVIDENCE

PAC8000 Remote I/O Data Sheet 00813-0100-0108, February 2022

**AMIKON PRODUCT SUPPORT**

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