Emerson 8626-FT-IS

Complete Product Information

01 Product dashboard

Emerson 8626-FT-IS is an intrinsically safe RTD field terminal for the PAC8000 8206-TI-IS eight-channel temperature-input module. It provides the field-wiring interface for two-, three- and four-wire RTD circuits.

Identity	Position	Evidence
Emerson 8626-FT-IS	PAC8000 / 8206-TI-IS RTD input	Emerson PAC8000 Remote I/O, 00813-0100-0108, February 2022; MTL Field terminals, January 2007; IECEx BAS 12.0023U

System context

This field terminal joins RTD sensor wiring to an intrinsically safe PAC8000 temperature-input channel; measurement conversion belongs to the paired 8206-TI-IS module.

The 8626-FT-IS is the RTD-specific terminal in the PAC8000 field-terminal range. Emerson lists the 8206-TI-IS as an eight-channel intrinsically safe RTD input, and the terminal wiring sheet provides separate two-, three- and four-wire RTD diagrams. Select the diagram for the installed sensor and cable, then verify each conductor at the terminal strip and module connector.

02 Technical capability map

Product role	Intrinsically safe RTD field terminal
Matched I/O module	8206-TI-IS, eight-channel RTD input
RTD wiring	Two-, three- or four-wire diagrams
Field-terminal key	C / 3 with 8206-TI-IS
Connector arrangement	Two multipin module connectors
Field termination	Screw-clamp terminal rows
Terminal voltage limit	30 V maximum, certificate condition
Terminal input-power limit	0.9 W maximum, certificate condition
Field wiring location	Zone 0 IIC or Class I Div 1 when approved as an assembly
Terminal body	Blue moulding for IS field wiring
Tagging strip	Present on screw-clamp terminal
Material	Modified poly-phenylene oxide

03 Applications and compatibility

Application	Engineering relationship
Two-wire RTD	Use the terminal sheet's two-wire connection diagram when the installed sensor and input configuration require a two-lead RTD.
Three-wire RTD	Route the compensation conductor according to the dedicated three-wire diagram and verify the corresponding channel configuration.
Four-wire RTD	Terminate separate excitation and sense conductors using the four-wire diagram for the selected RTD channel.
Module replacement	Retain the 8206-TI-IS pairing and C/3 key relationship when exchanging a field terminal in a PAC8000 IS assembly.

Compatibility boundary

Use the RTD terminal wiring diagram and the approved intrinsic-safety assembly for the selected two-, three- or four-wire sensor.

The intrinsically safe assembly uses mechanical key position C/3 for the 8206-TI-IS pairing. The terminal has module-side multipin connectors, screw-clamp field connections and an identification strip. Its blue moulding identifies IS field wiring; a field terminal alone does not establish the whole loop certificate or replace the module, carrier and power arrangement.

04 Engineering decisions and precautions

Decision	Required check
De-energize safely	Follow the site hazardous-area and isolation procedure before disturbing field connections.
Match the module	Confirm 8206-TI-IS and the C/3 mechanical key before fitting 8626-FT-IS.
Trace RTD leads	Identify every two-, three- or four-wire conductor against the correct terminal diagram.
Check IS limits	Assess the 30 V and 0.9 W certificate limits in the complete approved loop.
Inspect termination	Check screw-clamp security, conductor identification and separation of IS wiring.
Verify measurement	After restoration, compare each temperature channel with a known process or test reference.

Question	Answer
Which input module is paired with Emerson 8626-FT-IS?	The listed pairing is the 8206-TI-IS intrinsically safe eight-channel RTD input module.
Which sensor wiring forms are documented for Emerson 8626-FT-IS?	The field-terminal sheet shows distinct two-, three- and four-wire RTD connection diagrams.
What mechanical key position applies to Emerson 8626-FT-IS?	The approved 8206-TI-IS pairing uses field-terminal key position C/3.

05 Lifecycle and offered unit

8626-FT-IS	A current manufacturing and support phase for this complete terminal reference is unconfirmed.
Support and replacement	For service replacement, match the 8206-TI-IS module, terminal key, RTD wiring and approved IS loop documentation before changing the field termination.
Availability	Apter Power quoted availability is separate from the manufacturer lifecycle phase.
Condition	New, original product
Exact identity	Check the complete 8626-FT-IS marking and RTD terminal design; 8625-FT-IS is a thermocouple terminal and is a different reference.
Included items	Confirm the screw-clamp terminal and tagging strip; the 8206-TI-IS module and carrier are separate items unless stated in the quotation.

Technical source

Emerson PAC8000 Remote I/O, 00813-0100-0108, February 2022; MTL Field terminals, January 2007; IECEx BAS 12.0023U

Discuss the complete reference

Emerson 8626-FT-IS

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