PAC8000 FIELD TERMINALS

Product Data Sheet

8617-FT-NI

Non-incendive digital input field terminal

COMPATIBLE INPUT CHANNEL ARRANGEMENT	TERMINAL RATED VOLTAGE	MAXIMUM CURRENT PER I/O CHANNEL	CONDUCTOR CROSS-SECTION
16/30-channel digital input	**250 V AC**	**3 A**	**0.14 to 2.5 mm2**

General Electric 8617-FT-NI is a PAC8000 non-incendive field terminal for digital-input wiring. The replaceable screw-clamp assembly connects field conductors to the selected I/O module through a pair of multipin connectors and mounts on the module carrier.

01 TECHNICAL DATA

Compatible input channel arrangement	16/30-channel digital input
Terminal rated voltage	250 V AC
Maximum current per I/O channel	3 A
Conductor cross-section	0.14 to 2.5 mm2
Field-wire termination	Screw clamp
Body material	Modified polyphenylene oxide
I/O module connection	Pair of multipin connectors
Mechanical interface	Mounted on the module carrier
Mismatch prevention	Mechanical key coding
Channel identification	Tagging card with clear protective panel

MTL 8000 Series Field Terminals, January 2007, pp. 1 and 3-5; Emerson PAC8000 Remote I/O 00813-0100-0108, February 2022,

02 ADDITIONAL PRODUCT DATA

Field circuit classification	Non-incendive
Connection-diagram selection	Diagram 6; diagram 6a for 8125-DI-DC or 8127-DI-SE
Terminal location classification	Zone 2 IIC T4 or Class I Division 2 Groups A-D T4

03 PRODUCT FUNCTION

The terminal accepts 0.14 to 2.5 mm2 conductors and uses a modified polyphenylene-oxide body with mechanical key coding and a protected channel-tagging card. The manufacturer specifies approximately 42 x 88 x 61 mm including the tagging strip and a typical mass of 106 g; the connection diagram depends on the installed input module.

04 SYSTEM COMPATIBILITY

Terminate the field wiring using the documented 0.14 to 2.5 mm2 conductor range and the diagram assigned to the actual input module. The field-terminal sheet assigns diagram 6 or 6a to 8617-FT-NI; diagram 6a is required when used with 8125-DI-DC or 8127-DI-SE.

05 REFERENCE

MTL 8000 Series Field Terminals, January 2007, pp. 1 and 3-5; Emerson PAC8000 Remote I/O 00813-0100-0108, February 2022, p. 5.

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