

Field terminals

- Range of field terminals
- Standard, fused, loop-disconnect & MTAs
- Blue moulding for IS field wiring
- THC and RTD versions available
- Tag strip on all screw-clamp field terminals

SPECIFICATION

See also System Specification

HAZARDOUS AREA APPROVALS

Location of field terminal

- Zone 2, IIC, T4 hazardous area or Class 1, Div 2, Groups A–D, T4 hazardous location

Location of I/O field wiring

- For 860x-FT-xx and 861x-FT-xx – Zone 2, IIC, T4 hazardous area or Class 1, Div 2, Groups A–D, T4 hazardous location
- For 862x-FT-IS – Zone 0, IIC hazardous area or Div 1, Groups A–D hazardous location

ELECTRICAL

Rated voltage

- 250V ac

Maximum current per I/O channel

- 3A

Fuse rating (where fitted)

- 2A

Conductor size

- 0.14–2.5mm²

MECHANICAL

Material

- Modified Poly-Phenylene Oxide

Dimensions (approx - including tagging strip)

- 8617-FT-NI and 8623-FT-IS – 42 (w) x 88 (d) x 61 (h) mm
- Others – 42(w) x 88 (d) x 39.5 (h) mm

Weights (typical - including tagging strip)

- Unfused type (except THC & RTD) – 78g
- Fused type (including fuses) – 86g
- THC type – 70g
- RTD type – 106g
- 8617-FT-NI and 8623-FT-IS (16-channel) – 106g

See also datasheets for 8618-FT-MT and 8619-FT-MT

PART NUMBERS

General Purpose Field Wiring

Field Terminal Description	Part number
Standard	8602-FT-ST
Fused	8604-FT-FU
THC	8605-FT-TC
RTD	8606-FT-RT
4-wire transmitter	8615-FT-4W
16/30-channel DI	8617-FT-NI
16-pin Mass Termination Assembly	8618-FT-MT
44-pin Mass Termination Assembly	8619-FT-MT

Zone 2/Div 2 Field Wiring applications

Field Terminal Description	Part number
THC	8605-FT-TC
RTD	8606-FT-RT
Non-incendive*	8601-FT-NI
Non-incendive, fused*	8603-FT-FU
Non-arcing, standard*	8610-FT-NA
Non-arcing, fused*	8611-FT-FU
4-wire transmitter	8615-FT-4W
16/30-channel DI	8617-FT-NI
16-pin Mass Termination Assembly	8618-FT-MT
44-pin Mass Termination Assembly	8619-FT-MT

Zone 1,0/Div 1 (IS) Field Wiring applications

Field Terminal Description	Part number
IS, standard	8621-FT-IS
IS, loop-disconnect	8622-FT-IS
IS, 16-channel DI	8623-FT-IS
IS, 8-channel DI, loop disconnect	8624-FT-IS
IS, THC	8625-FT-IS
IS, RTD	8626-FT-IS

Additional Components

Description	Part number
Switch/Prox detector wiring panel	8650-FT-PX
2A Fuse pack (10 in pack)	8401-FU-2A
Loop-disconnect links (10 in pack)	8405-LK-ZE

* Refer to 2/2 I/O module data sheets for recommended non-incendive or nonarcing field terminal type in Zone 2 and Division 2 applications.

8000 Field Terminals

CONNECTION DIAGRAMS

Identify terminal type in the table below, then see named diagram for connections 16-pin Mass Termination

Terminal Type	Diagram Number
8601-FT-NI	1
8602-FT-ST	1
8603-FT-FU	1
8604-FT-FU	1
8605-FT-TC	2
8606-FT-RT (2-wire)	3
8606-FT-RT (3-wire)	4
8606-FT-RT (4-wire)	5
8610-FT-NA	1
8611-FT-FU	1
8615-FT-4W	1
8617-FT-NI	6 or 6†
8618-FT-MT	see datasheet
8619-FT-MT	see data sheet
8621-FT-IS	1 or 7*
8622-FT-IS	1 or 7*
8623-FT-IS	6
8624-FT-IS	1
8625-FT-IS	8
8626-FT-IS (2 wire)	9
626-FT-IS (3 wire)	10
626-FT-IS (4 wire)	11
8650-FT-PX	see data sheet

† Wire as per diagram 6a only when used with 8125-DI-DC or 8127-DI-SE modules.

* Wire as per diagram 7 only when used with 8215-DO-IS module.

DIAGRAM 1

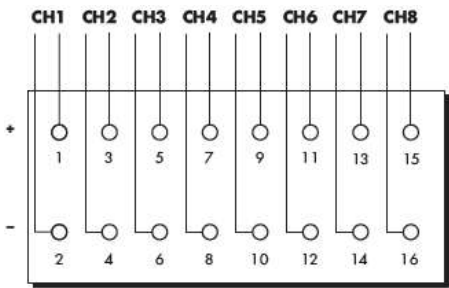


DIAGRAM 5

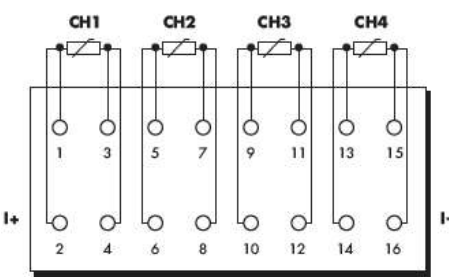


DIAGRAM 2

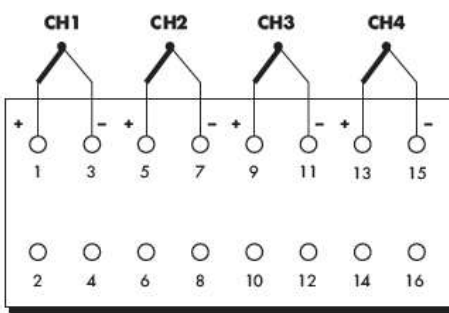


DIAGRAM 6

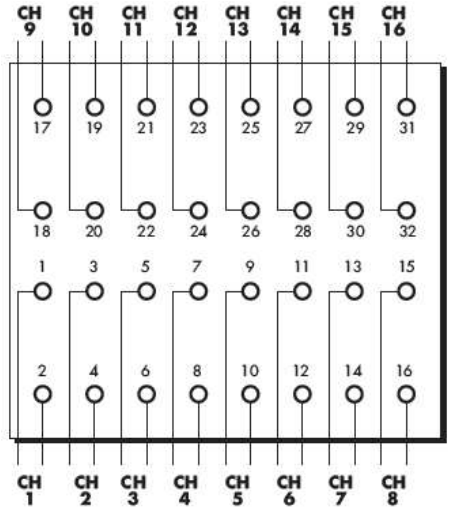


DIAGRAM 3

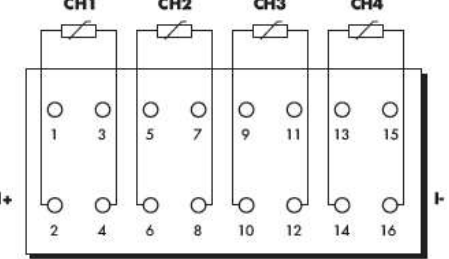


DIAGRAM 6a

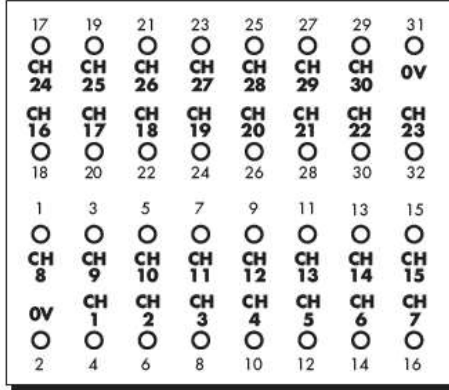


DIAGRAM 4

