



technical datasheet

## 9378-FT

Fieldbus Terminator

- For use with MTL's 9370-FB Series Fieldbus Barrier Systems for FOUNDATION™ fieldbus networks in hazardous areas
- Terminates fieldbus trunk for optimum signal quality
- Complies with IEC 61158-2
- 'Live pluggable' in Zone 1 hazardous areas without gas clearance



The **9378-FT Fieldbus Terminator** provides “far end” termination of the trunk cable for MTL's 9370-FB Series Fieldbus Barrier System in Foundation™ fieldbus networks. Designed specifically for installation on the Trunk Terminal Assembly inside the system enclosure, its pluggable construction allows it to be installed simply in whichever enclosure is at the end of the fieldbus segment.

**Specially certified connectors** in the 9378-FT allow it to be removed and replaced while powered from the mating sockets on the Trunk Terminal Assembly in a Zone 1 hazardous area.

EPS9378 Rev1 230310

 **COOPER** Crouse-Hinds

[www.mtl-inst.com](http://www.mtl-inst.com)

## SPECIFICATION

### Termination type

Provides  $100\Omega + 1\mu\text{F}$  according to IEC 61158-2

## ENVIRONMENTAL

### Ambient temperature

$-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$

### Relative humidity

< 95%, non-condensing

### Electromagnetic compatibility

EN 61326 – 1: 2006

EN 55022 class A

NAMUR NE 21

### Vibration

BS EN 60068-2-6: 2008 Test Fc: 1g

BS EN 60068-2-64: 1995 Test Fh: 1g

### Shock

BS EN 60068-2-27: 1993 Test Ea: 15g

## HAZARDOUS AREA APPROVALS

### Location of module

Safe area,  
IEC Zone 2 IIC T4 hazardous area,  
IEC Zone 1 IIC T4 hazardous area

### Certification code

Ⓔ II 2G Ex de mb IIC T4 Gb  
 $-45^{\circ}\text{C} < T_a < 75^{\circ}\text{C}$

### Certificate numbers

Baseefa 09 ATEX0323U

IECEX BAS 09.0087U

## MECHANICAL

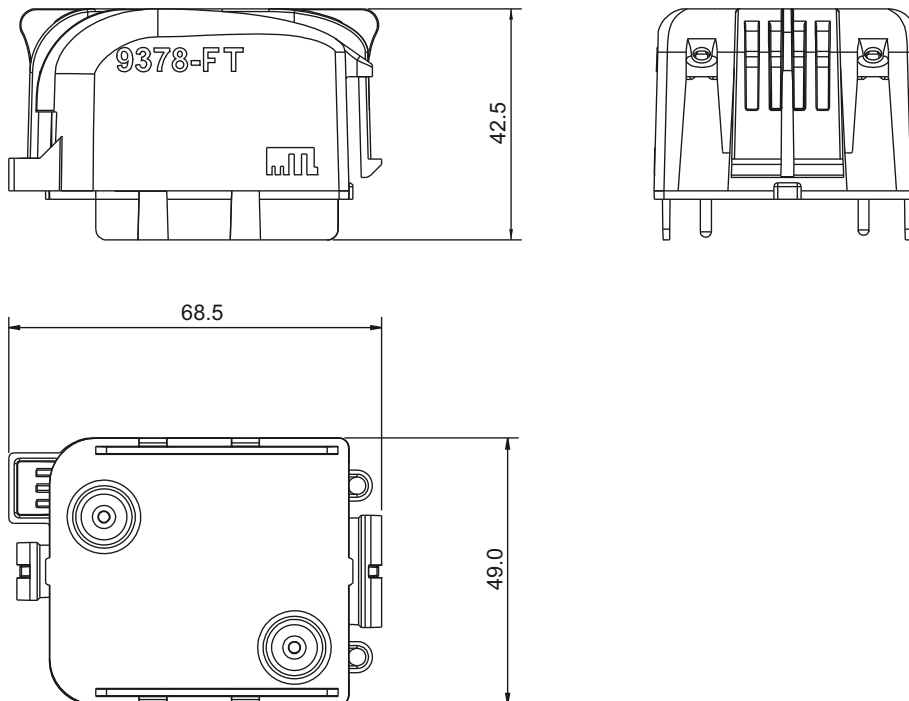
### Weight

120g approx.

### Dimensions

See diagram

## DIMENSIONS (mm)



*The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.*



EUROPE (EMEA): +44 (0)1582 723633  
enquiry@mtl-inst.com

THE AMERICAS: +1 800 835 7075  
csinfo@mtl-inst.com

ASIA-PACIFIC: +65 6 487 7887  
sales@mtlsing.com.sg

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