

## HART® interface module

8512-IF-HA

- ◆ supports up to 256 HART devices per node
- ◆ supports AMS software
- ◆ simplifies maintenance of HART field devices
- ◆ mountable in Zone 2 or Div 2 hazardous areas
- ◆ only one required per MTL8000 node

### MODULE SPECIFICATION

See also System Specification

#### HOST INTERFACE

Electrical specification .....RS485  
 Physical medium .....2-wire multidrop  
 Number of nodes per workstation .....31 (max.)  
 Unit addresses (software configurable) .....1 – 31  
 Baud rate (s/ware configurable)..1.2, 9.6, 19.2 and 38.4 baud  
 Instrument management software supported

- ◆ AMS (contact MTL for further options)

#### MTL8000 INTERFACE

Connection to BIM .....via Configurator port  
 HART devices per mode .....256 (max.)

#### HAZARDOUS AREA APPROVALS

Location of 8512-IF-HA .....Safe area or  
 .....Class I, Div 2, Groups A, B, C, D T4 Hazardous location or  
 .....Zone 2, IIC T4 Hazardous location

#### ISOLATION

Port to port and psu .....250 V ac rms (to EN 61010-1)  
 .....(tested at 2.3 kV ac rms for 1 min.)

#### LED INDICATORS

LEDs for status indication of HOST and MTL8000 port

#### ELECTRICAL

Power supply voltage (Vs) .....20 – 35 V dc  
 Current required

at 20 V .....135 mA (max.)  
 at 24 V .....115 mA (max.)  
 at 35 V .....75 mA (max.)

Connections .....screw terminals

Conductor cross-section .....2.5 mm<sup>2</sup> (max.)

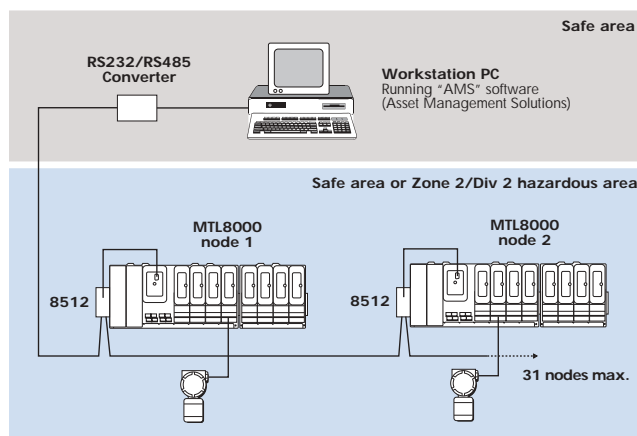
#### MECHANICAL

Mounting .....directly on to T- or G- section DIN rail

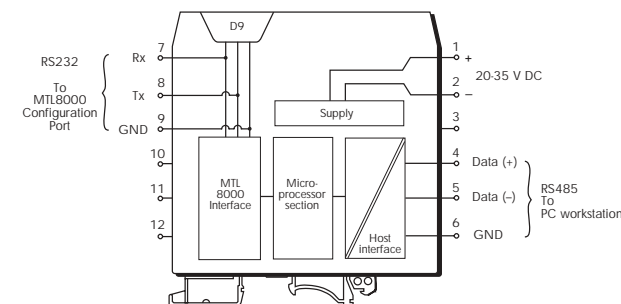
Casing .....polyamide

Module width .....40 mm

Weight (approx.) .....100 g



Circuit and wiring diagram



Dimensions and mounting (mm)

