

MTL4840 SERIES BACKPLANES SPECIFICATIONS GENERAL PURPOSE VERSIONS

BPHM64 BACKPLANE

Capacity

- 1 x MTL4841 communications module
- 4 x MTL4842 HART® interface modules
- NB: An MTL4841 module is needed for only one in every sixteen MTL4842 modules

Maximum power requirements

- 1.35W when equipped with:-
- 1 x MTL4841 communications module
- 4 x MTL4842 HART® interface modules

HART interface connectors

- 4 x DIN41651 20-way ribbon cables
- (16 HART® signal connections + 4 common returns on each cable. Connections to HART® signals via screw terminal interface or custom backplane. Contact MTL for details.)

Weight (excl. modules and accessories)

296g approx.

HMU16/32

Capacity

- 1 x MTL4841 communications module
- 2 x MTL4842 interface modules

Power requirements, Vs

- 21 to 35V dc through plug in connectors

Maximum power requirements

- 1.2W when fully populated

Interface bus connectors

- 10-way ribbon socket

RS485 port

- 2.5mm² screw terminals

Mounting

- Supplied fitted with DIN-rail (T-or G-section)

Weight (excl. modules and accessories)

330g

COMMON SPECIFICATION BPHM64 & HMU16

Power requirements, Vs

- 21 to 35V dc through plug-in connectors

Mounting

- Supplied fitted with DIN-rail (T- or G- section) carrier

Interface bus connector

- 10-way ribbon socket

RS485 port

- 2.5mm² screw terminals

HCU16 HART® CONNECTION UNIT

Accuracy (HCU16-P250 only)

250Ω ±0.05%

Connectors

- 2.5mm² screw clamp terminals
- 3 terminals per channel
- 20-way flat cable (to BPHM64)

Weight

383g

HCU16AO HART® CONNECTION UNIT WITH FILTERS

Series impedance

- dc < 2Ω
- HART® signal > 240Ω

Connectors

- 2.5mm² removable screw clamp terminals
- 2 terminals per channel in groups of 4 channels
- 20-way flat cable (to BPHM64)

Weight

768g

COMMON SPECIFICATION HCU16 & HCU16AO

Capacity

- 16 channels

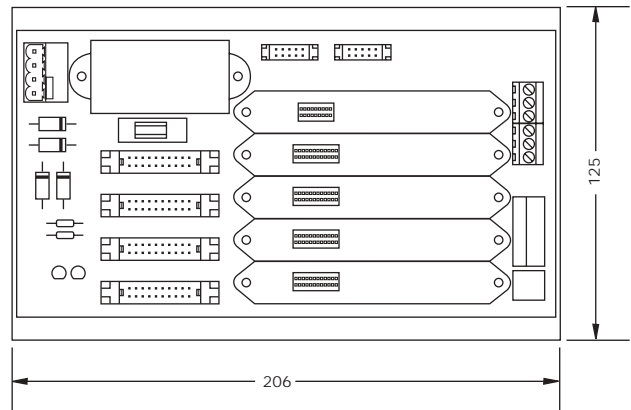
Isolation

- Channel to channel 50V dc

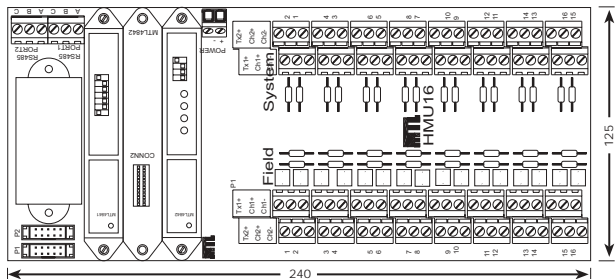
Mounting

- Supplied fitted with DIN-rail (T- or G- section) carrier

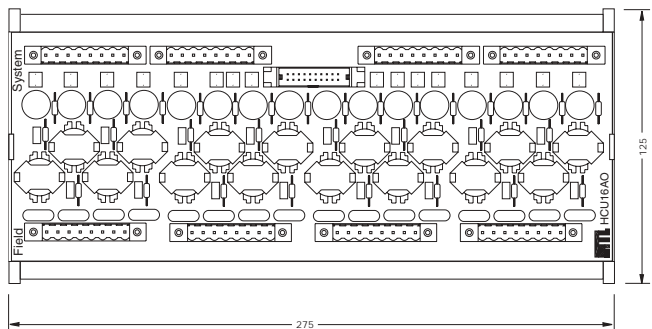
DIMENSIONS (mm)



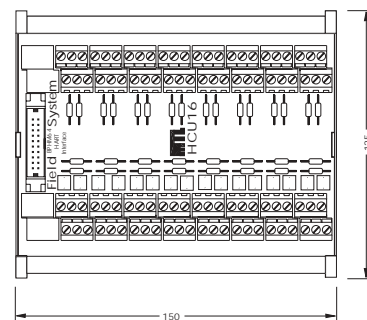
BPHM64



HMU16AI



HCU16AO



HCU16

