

BRUMIL 410 – Distribution Bar for Data- and Power Connection

Distribution bar for data transmission and power connection. Ruggedized construction with IP67 connectors, either hybrid connecting cable including Cat. 5 or four fiber-optic channels for Ethernet data transmission and 230 VAC power

Application:

- Distribution of data and power. (Ethernet 100BaseT and 230VAC)
- Compatible to Brugg-LAN-networking-components, like OLTU, Joint Force Integrator, Access Modules, Remote Power Supply etc.
- Can be adapted to COTS based LAN devices easily.

Construction:

Connection bar:

- 6 RJ-45 Ethernet connections
- 2 sockets 230 VAC
- Internal 100BaseT switch optional for 1000BaseFX FO-connection
- Hybrid connecting cable for data and power Cu or optional FO+Cu.
- Over current protection switch
- LED-indication for data traffic and power presence.
- Receptacle for daisy chaining of more than one Connection bar:

Hybrid Cu-Connecting Cable

- Cat 5 cable for Ethernet
- 5 power conductors 1.5mm²
- Connector ruggedized, fully sealed (male contacts at the plug)

Hybrid FO+Cu-Connecting Cable option

- 4 fiber optic channels, either single or multimode for FO-Ethernet.
- 2 power conductors 1.6mm²
- Connector ruggedized, fully sealed hermaphroditic construction
- Field terminable plug and bulkhead connectors

Technical Data:

Electrical Power:

- Voltage 230 VAC
- Current
 - Cu-Cable 13 A
 - FO+Cu-Cable 5A (short term 13 A)
- Conductors at Cu-Cable 5x 1.5 mm²
- Conductors at FO+Cu-Cable 2x 1.6 mm²

Data at Cu-Connecting Cable:

- Cat. 5 8 wire
- Ethernet 10/100BaseT or 1000BaseTX

Data at FO+Cu-Connecting Cable:

- 4 Fibers 9/125 single mode, 1310 or 1550 nm
- 50/125 or 62.5/125 multimode
- 850 or 1300 nm
- 10/100BaseFX or 1000BaseFX

Ethernet connections:

- 6x RJ-45 10/100BaseT

Temperature range:

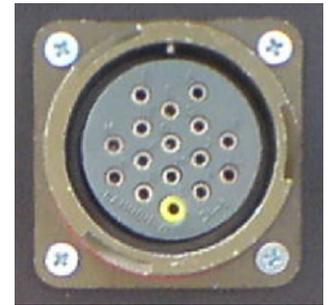
- Operation: -40°...+70° C MIL-STD-810F-501.II
- Storage: -60°...+85° C MIL-STD-810F-502.I

Environmental Conditions:

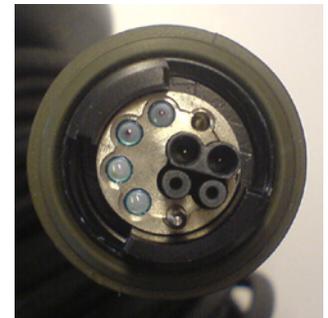
- Immersion prot. IP67 closed connector caps or connectors inserted. MIL-STD-810F-512.4



Distribution bar



Cu-Hybrid-Connector



Hybrid Connector for optical- and power connection



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2011/07-2