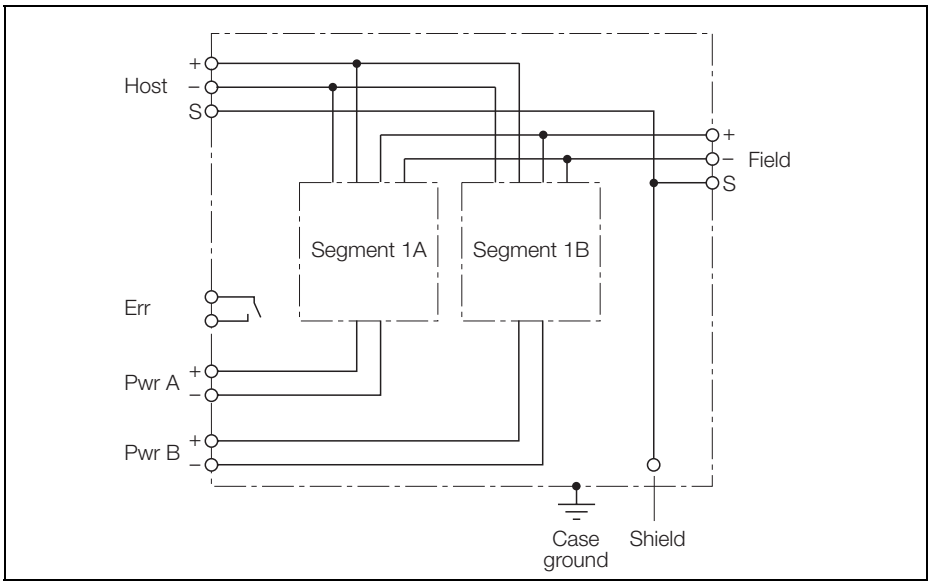
FOUNDATION™ fieldbus
Backplane for the DPC system
DPC-49-1RMB

Industrial Automation



The DPC system (Diagnostic Power Conditioner) is a power supply system for the installation of FOUNDATION™ fieldbus H1 segments.

The module rack consist of a backplane and the actual rack system for the power supply modules.

The single components of the system are electrically linked via the connection terminals of the backplane.

Redundant power supply via two 6-pole screw connectors. The connection to the host system is established via a removable 3-pole screw terminal.

The H1 segment is connected separately on the fieldbus side via a removable 3-pole screw terminal.

The shielding is achieved via insulated shield bus or via the 3-pole screw terminal, which is internally connected with the M5 threaded bolt for equipotential bonding. A further M5 threaded bolt for equipontential bonding is simply connected to the housing.

A connection to the relay alarm contact is provided for redundancy monitoring of the external power supply and the H1 power supply modules. In "good-condition" (no error) the relay is energized and in "bad-condition" the relay is de-energized.
The following error states are possible:

- External power supply < 18 VDC
- Power supply module, drop out or lacking
- Power supply module, short-circuit resp. overload

- **Module rack for two power supply modules to built a H1 segment**
- **redundant power supply**
- **Removable terminal blocks with screw connections**

• 29.04.2009

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Type	DPC-49-1RMB
Ident-No.	6882026
Operational voltage range:	18 … 32 VDC
Overvoltage protection	> 250 VDC
Electrical connection	removable terminal block, reverse polarity protected, screw connection
Degree of protection	IP20
Ambient temperature	-20 …+ 60 °C
Housing material	aluminium
Housing color	black/yellow
Dimensions	220 x 210 x 113 mm
Connection mode	snap-on DIN rail (DIN 50022)

Dimensions