

PlexPower™ IEC Fiber Panelboard

Factory Sealed. Panelboard with Fiber Patch Panel

ATEX/IECEX:
Zone 1 and 2 - 21 and 22
II 2G/2D
Ex db eb op pr IIB+H₂ or IIC T6 to T4 Gb
Ex op pr tb IIIC Db
IP66

Applications

- The PlexPower™ IEC Fiber Panelboard provides indoor and outdoor protection and control of electrical circuits in hazardous environments such as:
 - Petroleum plants
 - Chemical plants
 - Refineries
 - Wastewater Treatment Plants
 - Paper and Pulp Industries
 - Other process facilities
- Ideal for placement in wet, corrosive environments or where flammable gases or vapors are likely to be present.
- Suitable for use on applications where both power and communication wiring is required.

Features

- No external conduit or cable seals required thus making installations faster, easier, and less costly.
- The PlexPower Fiber Panelboard features a ground-breaking design that uses individual breaker housings to minimize the downtime and costs associated with servicing circuit breakers in hazardous locations.
- PlexPower breakers accommodate off-the-shelf Schneider[□] breakers, making replacements readily available.
- The lighter weight panelboard enclosure can be quickly opened in the field for easier servicing.
- Standard models offer 8, 16 and 24 circuit panelboard configurations.
- Supplied as standard:
 - Bottom entries with brass earth plate
 - Pre-drilled supplied with non Ex certified temporary plastic plugs
 - Standard hard wired, copper cables
 - Color coded wiring for phases; neutral (blue) and ground (yellow/green)
 - Internal actuators with waterproof windows
 - Internal wiring duct
 - Ground bars
 - External/internal ground lug
 - Phenolic nameplate (specify legend)
- Standard configuration includes internal actuators.
- Breaker modules supplied with captive steel bolts.
- Branch circuits available in single pole.
 - 1-pole: 120, 240 Volts, 20 Amps maximum.
- Utilizes Belden* MIPP™ Fiber Patch Panel.
- Panelboard designed for -20 °C to +50 °C (-4 °F to +122 °F) operation.

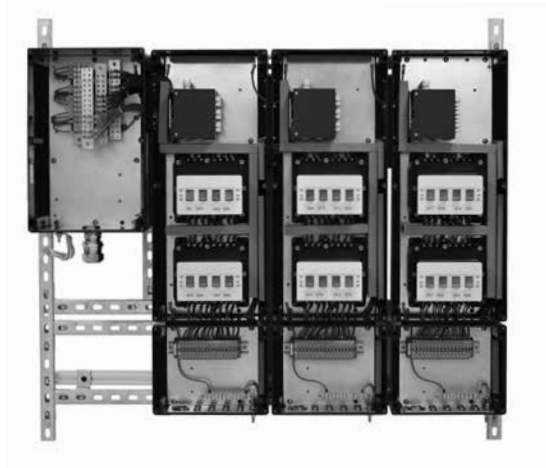
Standard Materials

- Enclosure: fiberglass reinforced polyester (FRP) or stainless steel
- Hardware: stainless steel
- Chassis: hot dip galvanized for wall mounting use

□ Schneider is a registered trademark of Schneider Electric.
 † Cutler-Hammer is a registered trademark of Eaton Corporation.
 * Belden is a registered trademark Belden Inc.



Fiber Panelboard



Bus Bar Panel with Main Breaker
Internal View

Illustrated Features



Weatherproof Window



Fiber Patch Panel

DISTRIBUTION EQUIPMENT: ATEX/IECEX INCREASED SAFETY PANELBOARDS

APPLETON

PlexPower™ IEC Fiber Panelboard

Factory Sealed. Panelboard with Fiber Patch Panel

ATEX/IECEX:
Zone 1 and 2 - 21 and 22
⊕ II 2G/2D
Ex db eb op pr IIB+H₂ or IIC T6 to T4 Gb
Ex op pr tb IIIC Db
IP66

ATEX/IECEX Certifications and Compliances

- Type: PFPP
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 2014/34/EU: ⊕ II 2G
 - Equipment Protection Level: EPL Gb
 - Type of Protection: Ex db eb op pr IIB+H₂/IIC
 - Temperature Class: T6 to T4 for Ta=+50°C
 - Dusts, Zones 21 and 22:
 - Conforming to ATEX: ⊕ II 2D
 - Equipment Protection Level: EPL Db
 - Type of Protection: Ex op pr tb IIIC
 - Surface Temperature: +57°C to 62°C for Ta= +50°C
 - Ambient Temperatures:
 - Standard model: -25°C to +50°C
- ATEX Certificate: EPS 19 ATEX 1 114
- EC Declaration of Conformity: 50304
- IECEx Certificate: IECEx EPS 19.0054X
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance: IK10

Related Products

- Recommended for use with the Appleton TC Cable Connector.
- Additional PlexPower™ IEC products:
 - PlexPower™ Factory Sealed Increased Safety Panelboards

DISTRIBUTION EQUIPMENT: ATEX/IECEX INCREASED SAFETY PANELBOARDS

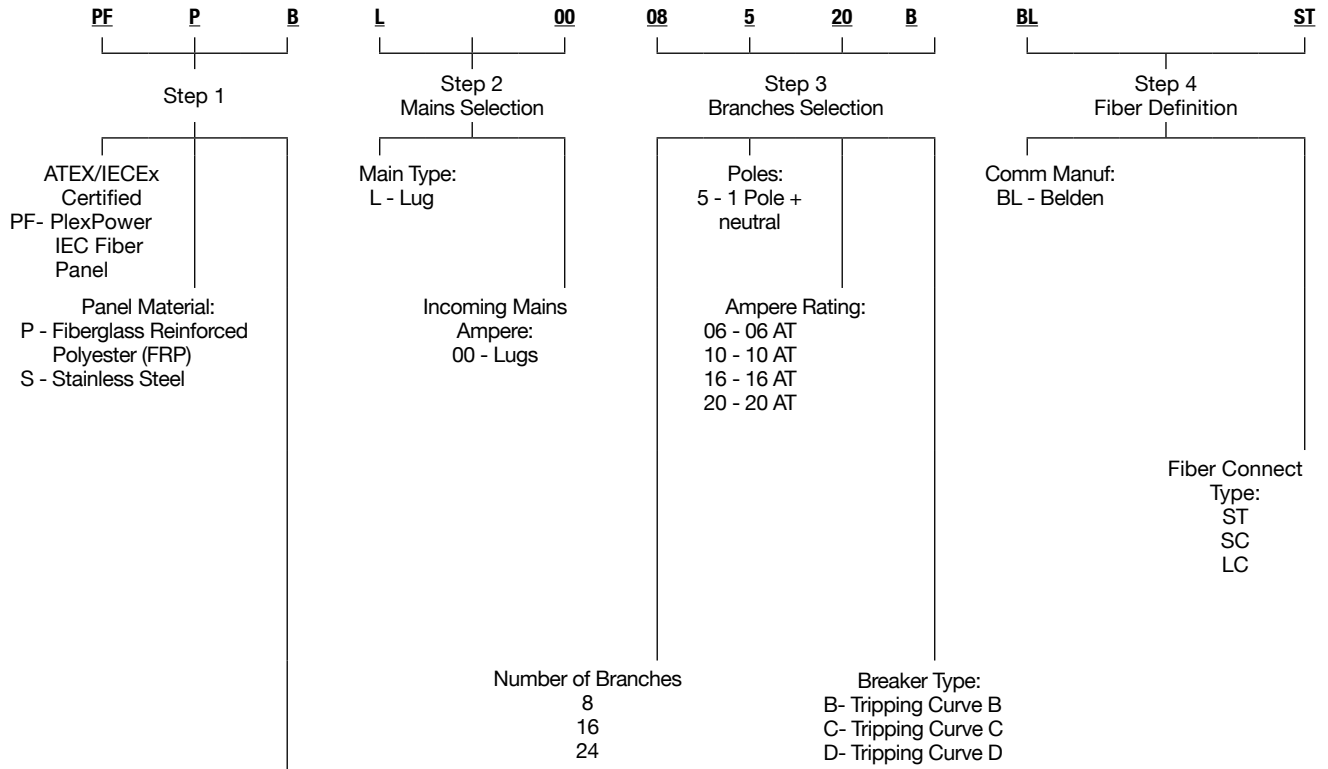
APPLETON™

PlexPower™ IEC Fiber Panelboard

Factory Sealed. Panelboard with Fiber Patch Panel

ATEX/IECEX:
 Zone 1 and 2 - 21 and 22
 II 2G/2D
 Ex db eb op pr IIB+H₂ or IIC T6 to T4 Gb
 Ex op pr tb IIIC Db
 IP66

Catalog Numbering Guide ①



Panel Size ③: Select B, E, F enclosure based on number of circuits

| | B | E | F |
|---------------|---|----|----|
| Max. Circuits | 8 | 16 | 24 |

Fiberglass Reinforced Polyester (FRP)

| Abbreviated Standard Part Numbers | Description |
|-----------------------------------|--|
| PFP08520CBLST | Eight (8) (1P+N) 20A breakers with Belden patch panel |
| PFP16520CBLST | Sixteen (16) (1P+N) 20A breakers with Belden patch panel |
| PFP24520CBLST | Twenty-four (24) (1P+N) 20A breakers with Belden patch panel |

Stainless Steel

| Abbreviated Standard Part Numbers | Description |
|-----------------------------------|--|
| PFS08520CBLST | Eight (8) (1P+N) 20A breakers with Belden patch panel |
| PFS16520CBLST | Sixteen (16) (1P+N) 20A breakers with Belden patch panel |
| PFS24520CBLST | Twenty-four (24) (1P+N) 20A breakers with Belden patch panel |

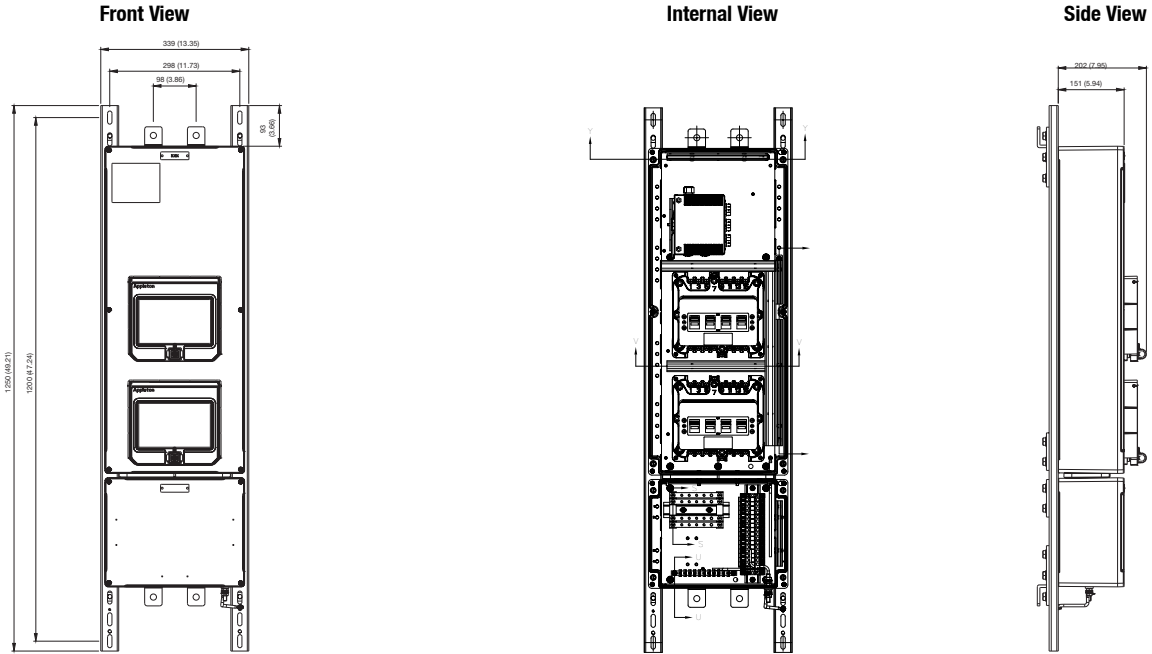
PlexPower™ IEC Fiber Panelboard

Factory Sealed. Panelboard with Fiber Patch Panel

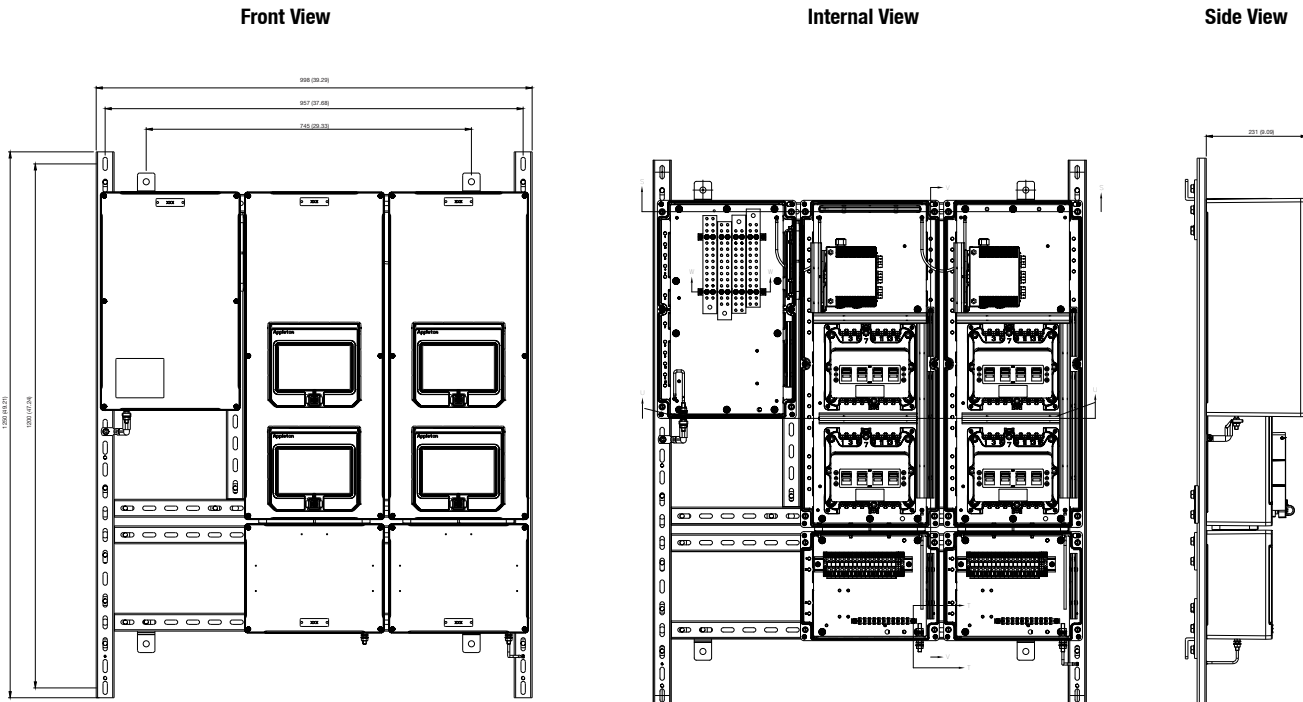
ATEX/IECEX;
 Zone 1 and 2 - 21 and 22
 II 2G/2D
 Ex db eb op pr IIB+H₂ or IIC T6 to T4 Gb
 Ex op pr tb IIIC Db
 IP66

Dimensions in Millimeters (Inches)

8 Circuit



16 Circuit



DISTRIBUTION EQUIPMENT: ATEX/IECEX INCREASED SAFETY PANELBOARDS

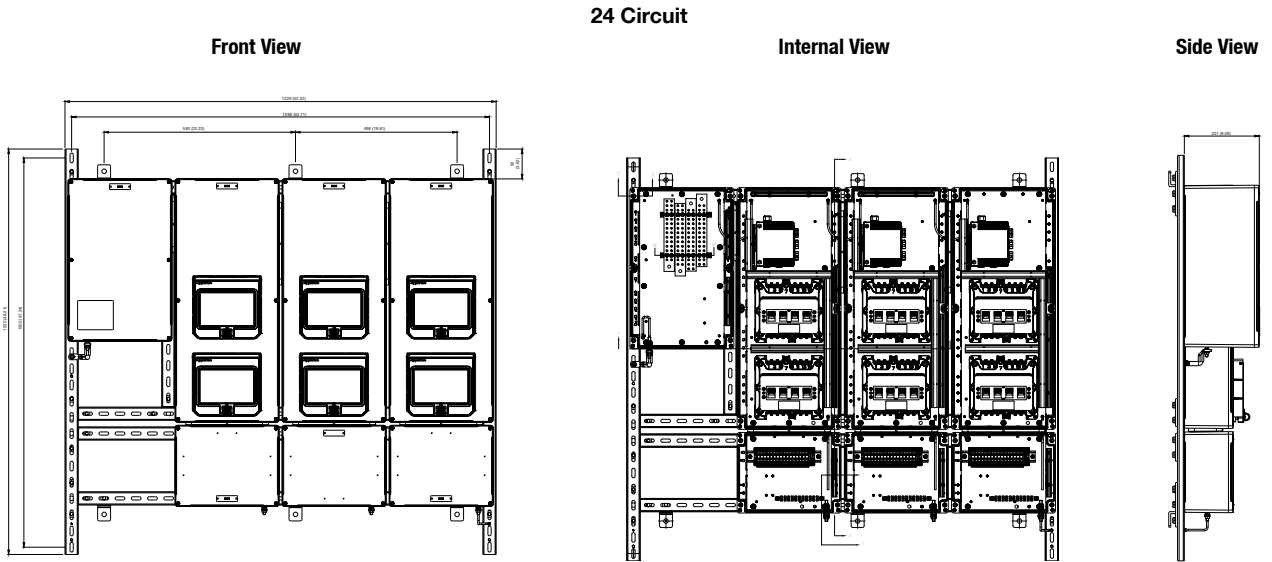
APPLETON™

PlexPower™ IEC Fiber Panelboard

Factory Sealed. Panelboard with Fiber Patch Panel

ATEX/IECEX:
 Zone 1 and 2 - 21 and 22
 II 2G/2D
 Ex db eb op pr IIB+H₂ or IIC T6 to T4 Gb
 Ex op pr tb IIIC Db
 IP66

Dimensions in Millimeters (Inches)



Panel Size Dimensions in Millimeters (Inches)

| | A 4 Circuit | B 8 Circuit | E 16 Circuit | F 24 Circuit |
|------------------------|----------------|----------------|-----------------|-----------------|
| Polyester | | | | |
| Length | 750 (29.5) | 1000 (39.4) | 1000 (39.4) | 1000 (39.4) |
| Width | 320 (12.6) | 320 (12.6) | 960 (37.8) | 1280 (50.4) |
| Depth | 150 (5.9) | 150 (5.9) | 230 (9.1) | 230 (9.1) |
| Stainless Steel | | | | |
| Length | 790 (31.0) | 1080 (42.5) | 1080 (42.5) | 1080 (42.5) |
| Width | 330 (13.0) | 330 (13.0) | 990 (39.0) | 1320 (52.0) |
| Depth | 150 (5.9) | 150 (5.9) | 230 (9.1) | 230 (9.1) |

DISTRIBUTION EQUIPMENT: ATEX/IECEX INCREASED SAFETY PANELBOARDS

APPLETON