

DISCONNECT FRAMES



APPLICATION

ProLine G2 Disconnect Frames can be used with ProLine G2 Disconnect Doors and Disconnect components to configure a custom Disconnect Enclosure Solution from standard modular enclosure components.

FEATURES

- Required for disconnect enclosure greater than 1000 mm wide
- Includes two removable center uprights (front and rear) which are offset 100 mm from the center of the frame
- Superior performance under load: 12 gauge (2.5 mm) roll-formed steel frame

SPECIFICATIONS

- Welded corners with steel corner blocks
- 12 gauge, roll-formed steel frame sections
- Hybrid frame profile
- Flange trough collar on door and side openings deflect dust and debris away from the enclosure interior
- Integral frame channels support the full weight of the mounting subpanel
- Accommodates 25-mm DIN standard; rectangular frame holes designed for BV-M6 fastener or metric cage nut fasteners; round frame holes accommodate M5 self-tapping screws and allow numerous grounding locations using M5 thread-forming screws

FINISH

- Polyester powder paint; RAL 7035 textured light gray standard
- Custom colors available

ACCESSORIES

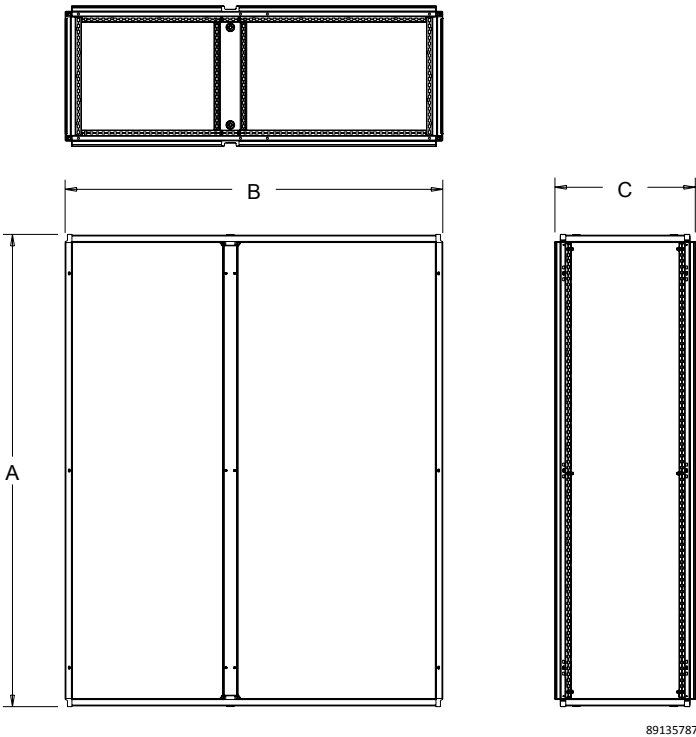
- Disconnect Doors
- Disconnect Components
- Barrier Panel
- Side Cover
- Lifting Eyes
- Frame Joining Kits
- Fastener Packages
- Full Subpanel (Rear or Side)
- Partial Subpanel and Side-Mount Panel
- Panel Support Bracket
- Grid Strap Network (Rail System)

BULLETIN: P40

Standard Product

Catalog Number	AxBxC mm	AxBxC in.	HxWxD (mm)	Maximum Subpanel Size (mm)	Maximum Subpanel Size (in.)	Maximum Rack Mount Units
P2FD16124	1599 x 1199 x 394	62.95 x 47.20 x 15.51	1600x1200x400	1506x1128	59.3x44.4	33
P2FD16126	1599 x 1199 x 594	62.95 x 47.20 x 23.39	1600x1200x600	1506x1128	59.3x44.4	33
P2FD16164	1599 x 1599 x 394	62.95 x 62.95 x 15.51	1600x1600x400	1506x1528	59.3x60.2	33
P2FD16166	1599 x 1599 x 594	62.95 x 62.95 x 23.39	1600x1600x600	1506x1528	59.3x60.2	33
P2FD18124	1799 x 1199 x 394	70.83 x 47.20 x 15.51	1800x1200x400	1706x1128	67.2x44.4	38
P2FD18126	1799 x 1199 x 594	70.83 x 47.20 x 23.39	1800x1200x600	1706x1128	67.2x44.4	38
P2FD18164	1799 x 1599 x 394	70.83 x 62.95 x 15.51	1800x1600x400	1706x1528	67.2x60.2	38
P2FD18166	1799 x 1599 x 594	70.83 x 62.95 x 23.39	1800x1600x600	1706x1528	67.2x60.2	38
P2FD18184	1799 x 1799 x 394	70.83 x 70.83 x 15.51	1800x1800x400	1706x1728	67.2x68.0	38
P2FD18186	1799 x 1799 x 594	70.83 x 70.83 x 23.39	1800x1800x600	1706x1728	67.2x68.0	38
P2FD20124	1999 x 1199 x 394	78.70 x 47.20 x 15.51	2000x1200x400	1906x1128	75.0x44.4	42
P2FD20126	1999 x 1199 x 594	78.70 x 47.20 x 23.39	2000x1200x600	1906x1128	75.0x44.4	42
P2FD20164	1999 x 1599 x 394	78.70 x 62.95 x 15.51	2000x1600x400	1906x1528	75.0x60.2	42
P2FD20166	1999 x 1599 x 594	78.70 x 62.95 x 23.39	2000x1600x600	1906x1528	75.0x60.2	42
P2FD20184	1999 x 1799 x 394	78.70 x 70.83 x 15.51	2000x1800x400	1906x1728	75.0x68.0	42
P2FD20186	1999 x 1799 x 594	78.70 x 70.83 x 23.39	2000x1800x600	1906x1728	75.0x68.0	42
P2FD22124	2199 x 1199 x 394	86.57 x 47.20 x 15.51	2200x1200x400	2106x1128	82.9x44.4	47
P2FD22126	2199 x 1199 x 594	86.57 x 47.20 x 23.39	2200x1200x600	2106x1128	82.9x44.4	47
P2FD22164	2199 x 1599 x 394	86.57 x 62.95 x 15.51	2200x1600x400	2106x1528	82.9x60.2	47
P2FD22166	2199 x 1599 x 594	86.57 x 62.95 x 23.39	2200x1600x600	2106x1528	82.9x60.2	47
P2FD22184	2199 x 1799 x 394	86.57 x 70.83 x 15.51	2200x1800x400	2106x1728	82.9x68.0	47
P2FD22186	2199 x 1799 x 594	86.57 x 70.83 x 23.39	2200x1800x600	2106x1728	82.9x68.0	47

HxWxD are nominal height, width and depth dimensions.



Model	Component	Type	Height	Width	Depth	Specialty	Catalog Number
P2	F	D	20	18	6	Blank	= P2FD20186
PROLINE G2	Frame	Blank = standard D = disconnect	mm 22 = 2200 20 = 2000 18 = 1800 16 = 1600	mm 18 = 1800 16 = 1600 12 = 1200	mm 6 = 600 4 = 400	Blank = standard	

NOTE: Not every combination is available as a standard product.

DISCONNECT DOORS



APPLICATION

ProLine G2 Disconnect Doors include a hinged mullion with a cutout which accommodates a wide variety of flange-mount disconnect devices, and an interlock system from the enclosure doors to the disconnect mullion. A hinged disconnect mullion provides unobstructed access to the interior and maximum access to the Full Mounting Subpanel (Mounting Plate).

FEATURES

- Interlock from enclosure doors to mullion
- Includes a hinged mullion with a cutout, which accommodates a wide variety of flange-mount disconnect devices
- Standard options: right standard cutout, right large cutout, left standard cutout
- Mullion is opened via two quarter-turn cams

SPECIFICATIONS

- Integrated interlock system from the doors to the disconnect mullion
- Interlock must be defeated to unlock either door
- The primary door must be in the open position to open the secondary door
- The primary door must be in the open position to open mullion
- Right-hand disconnects have the mullion on the right; left-hand disconnects have the mullion on the left
- Doors swing to the left for right-hand disconnects; doors swing to the right for left-hand disconnects
- Two-door disconnect packages (if used) have a center mullion, and both doors swing in the same direction (not overlapping)
- A low profile flush swing handle with key lock (other options available) operates an internal 3-point latch system on the door
- Door bar system on all doors (not on disconnect mullion)
- Doors are 14 gauge (1.65 mm), mild steel with Smooth Glide Latching system for a solid seal with a low closure force
- Two grounding studs on each door
- The disconnect mullion and doors include 140-degree hinges and are gasketed to maintain enclosure integrity
- Seamless polyurethane gasket (UL component recognized, CSA compliant) provides a water-tight, dust-tight seal against moisture and contaminants
- Removable door bars on doors (not on mullion)
- Standard right or left cutouts will accept the following types of flange-mounted disconnect devices:
 - Allen-Bradley (Bulletin 1494V disconnect switches with flange-mounted, variable-depth operating mechanisms, Bulletin

1494V flange-mounted variable-depth operating mechanisms for circuit breakers and 140U flexible cable operating mechanisms for 140U molded case circuit breakers)

ABB Controls (Disconnect switches up to 200 amp and operators for ABB circuit breakers up to 800 amp)

Eaton Cutler-Hammer (variable-depth disconnect switches up to 200 amp, operators for circuit breakers up to 600 amp, and FLEX SHAFT® handle mechanisms for circuit breakers)

General Electric (Type TDA variable-depth mechanisms for disconnect switches up to 200 amp, and operator mechanisms or SPECTRA FLEX® cable operator for circuit breakers up to 600 amp)

Siemens ITE (MAX-FLEX flange-mounted, variable-depth operating handle for disconnect switches and circuit breakers as well as some fixed-depth operators for disconnect switches Schneider Square D (Class 9422 disconnect switches =200 amp with variable-depth or cable mechanisms for 30, 60 or 100 amp, and circuit breakers with variable-depth operators or cable mechanisms up to 400 amp)

- Right large cutout with a larger cutout for use with the following higher amp disconnect switches:

Allen-Bradley 1494V-H2 handle used with 400 amp or 600 amp Allen-Bradley disconnect switches

Siemens ITE MAX-FLEX FHOHN handle used with MD 800 amp, ND (1200amp), PD (1600 amp) and RD (2000 amp)

FINISH

- Polyester powder paint; RAL 7035 textured light gray standard
- Custom colors available

ACCESSORIES

- ProLine Grounding Kit
- Door Stop Kit
- 180-Degree Hinge Kit
- Side Door Adapter
- Steel Data Pocket
- Thermoplastic Data Pocket
- Door Bar Grid Straps
- Door Support Roller Kit

BULLETIN: P40

Standard Product

Catalog Number	Fits Frame HxW (mm)	Height (mm)	Height (in.)	Width (mm)	Width (in.)	No. of Doors	Type	Cut-out
P2DDR168	1600x800	1583	62.3	798	31.4	1	Right Mullion	Standard
P2DDL168	1600x800	1583	62.3	798	31.4	1	Left Mullion	Standard
P2DDR168	1600x800	1583	62.3	798	31.4	1	Right Mullion	Large
P2DDR1610	1600x1000	1583	62.3	998	39.3	1	Right Mullion	Standard
P2DDL1610	1600x1000	1583	62.3	998	39.3	1	Left Mullion	Standard
P2DDR1610	1600x1000	1583	62.3	998	39.3	1	Right Mullion	Large
P2DDR1612	1600x1200	1583	62.3	1198	47.2	2	Right Mullion	Standard
P2DDL1612	1600x1200	1583	62.3	1198	47.2	2	Left Mullion	Standard
P2DDR1612	1600x1200	1583	62.3	1198	47.2	2	Right Mullion	Large
P2DDR1616	1600x1600	1583	62.3	1598	62.9	2	Right Mullion	Standard
P2DDL1616	1600x1600	1583	62.3	1598	62.9	2	Left Mullion	Standard
P2DDR1616	1600x1600	1583	62.3	1598	62.9	2	Right Mullion	Large
P2DDR188	1800x800	1783	70.2	798	31.4	1	Right Mullion	Standard
P2DDL188	1800x800	1783	70.2	798	31.4	1	Left Mullion	Standard
P2DDR188	1800x800	1783	70.2	798	31.4	1	Right Mullion	Large
P2DDR1810	1800x1000	1783	70.2	998	39.3	1	Right Mullion	Standard
P2DDL1810	1800x1000	1783	70.2	998	39.3	1	Left Mullion	Standard
P2DDR1810	1800x1000	1783	70.2	998	39.3	1	Right Mullion	Large
P2DDR1812	1800x1200	1783	70.2	1198	47.2	2	Right Mullion	Standard
P2DDL1812	1800x1200	1783	70.2	1198	47.2	2	Left Mullion	Standard
P2DDR1812	1800x1200	1783	70.2	1198	47.2	2	Right Mullion	Large
P2DDR1816	1800x1600	1783	70.2	1598	62.9	2	Right Mullion	Standard
P2DDL1816	1800x1600	1783	70.2	1598	62.9	2	Left Mullion	Standard
P2DDR1816	1800x1600	1783	70.2	1598	62.9	2	Right Mullion	Large
P2DDR1818	1800x1800	1783	70.2	1798	70.8	2	Right Mullion	Standard
P2DDL1818	1800x1800	1783	70.2	1798	70.8	2	Left Mullion	Standard
P2DDR1818	1800x1800	1783	70.2	1798	70.8	2	Right Mullion	Large
P2DDR208	2000x800	1983	78.1	798	31.4	1	Right Mullion	Standard
P2DDL208	2000x800	1983	78.1	798	31.4	1	Left Mullion	Standard
P2DDR208	2000x800	1983	78.1	798	31.4	1	Right Mullion	Large
P2DDR2010	2000x1000	1983	78.1	998	39.3	1	Right Mullion	Standard
P2DDL2010	2000x1000	1983	78.1	998	39.3	1	Left Mullion	Standard
P2DDR2010	2000x1000	1983	78.1	998	39.3	1	Right Mullion	Large
P2DDR2012	2000x1200	1983	78.1	1198	47.2	2	Right Mullion	Standard
P2DDL2012	2000x1200	1983	78.1	1198	47.2	2	Left Mullion	Standard
P2DDR2012	2000x1200	1983	78.1	1198	47.2	2	Right Mullion	Large
P2DDR2016	2000x1600	1983	78.1	1598	62.9	2	Right Mullion	Standard
P2DDL2016	2000x1600	1983	78.1	1598	62.9	2	Left Mullion	Standard
P2DDR2016	2000x1600	1983	78.1	1598	62.9	2	Right Mullion	Large
P2DDR2018	2000x1800	1983	78.1	1798	70.8	2	Right Mullion	Standard
P2DDL2018	2000x1800	1983	78.1	1798	70.8	2	Left Mullion	Standard
P2DDR2018	2000x1800	1983	78.1	1798	70.8	2	Right Mullion	Large
P2DDR228	2200x800	2183	85.9	798	31.4	1	Right Mullion	Standard
P2DDL228	2200x800	2183	85.9	798	31.4	1	Left Mullion	Standard
P2DDR228	2200x800	2183	85.9	798	31.4	1	Right Mullion	Large
P2DDR2210	2200x1000	2183	85.9	998	39.3	1	Right Mullion	Standard
P2DDL2210	2200x1000	2183	85.9	998	39.3	1	Left Mullion	Standard
P2DDR2210	2200x1000	2183	85.9	998	39.3	1	Right Mullion	Large
P2DDR2212	2200x1200	2183	85.9	1198	47.2	2	Right Mullion	Standard
P2DDL2212	2200x1200	2183	85.9	1198	47.2	2	Left Mullion	Standard
P2DDR2212	2200x1200	2183	85.9	1198	47.2	2	Right Mullion	Large
P2DDR2216	2200x1600	2183	85.9	1598	62.9	2	Right Mullion	Standard
P2DDL2216	2200x1600	2183	85.9	1598	62.9	2	Left Mullion	Standard
P2DDR2216	2200x1600	2183	85.9	1598	62.9	2	Right Mullion	Large
P2DDR2218	2200x1800	2183	85.9	1798	70.8	2	Right Mullion	Standard
P2DDL2218	2200x1800	2183	85.9	1798	70.8	2	Left Mullion	Standard
P2DDR2218	2200x1800	2183	85.9	1798	70.8	2	Right Mullion	Large

HxW dimensions are in mm.

