

## 19-IN. RACK-MOUNT/DESKTOP CASE, TYPE 1



### INDUSTRY STANDARDS

NEMA Type 1  
IEC 60529, IP20  
**Exterior Dimensions**  
EIA 310-D / IEC 297-1  
DIN 41494 Part 1

### APPLICATION

Desktop cases house circuit boards and other electronic equipment in a rigid framework with easy front and rear access. Rack cases are 19-in. rack mountable with integral mounting provided in the front bezel.

### FEATURES

- Removable top and bottom covers attach directly to case framework for maintenance convenience
- Bottom cover has multiple rows of holes for ventilation
- Front bezel includes mounting provisions for 19-in. rack mounting as well as mounting for front panel options for application flexibility
- Top and bottom of framework have mounting provisions for optional support rails for application flexibility. Mounting holes are spaced on 10-mm centers front to back.
- Case framework is assembled for quick installation. Top cover, bottom cover, anti-skid feet and mounting hardware are included.
- Mounting hardware for optional front and rear panels are included with case for installation convenience

### SPECIFICATIONS

- One-piece aluminum die cast front bezel and rear bezel are connected front-to-back with aluminum extrusions to form a rigid structural framework
- Sides on 3U- and 4U-tall cases are the aluminum front-to-back extrusions. The 6U-tall case has two aluminum extrusions with a steel middle panel on each side.
- Covers are 1-mm steel and have grounding provisions

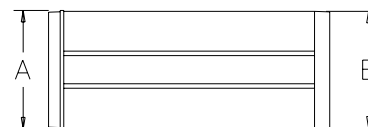
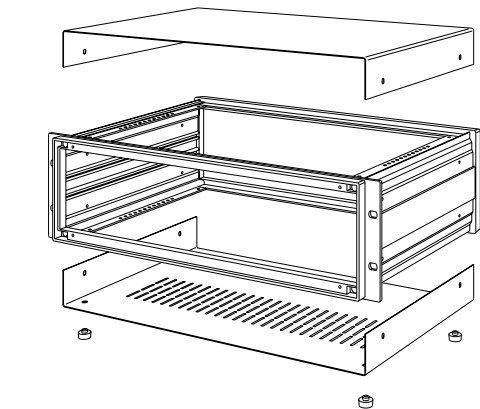
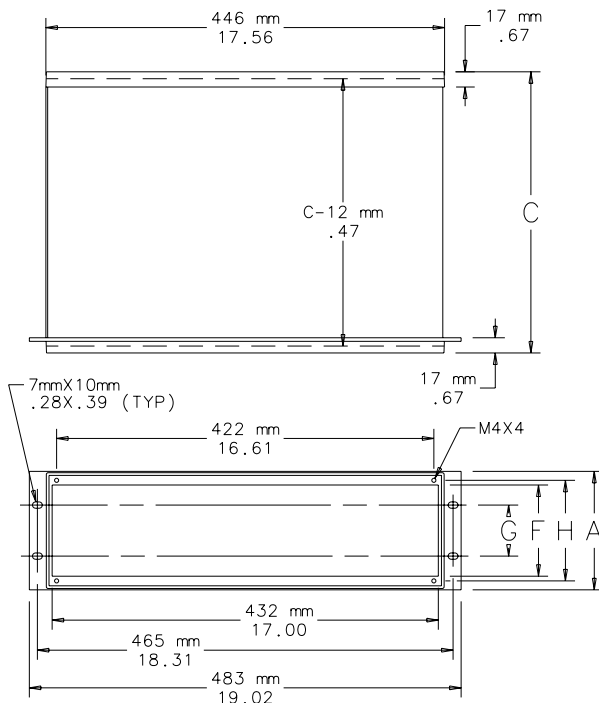
### FINISH

Framework has an RAL 7030 stone-gray textured finish. Top and bottom covers have an RAL 7035 light-gray textured finish on the outside and a plated finish on the inside.

### BULLETIN: DEC1

#### Standard Product

| Catalog Number | AxBxC mm/in.                             | E mm/in.     | F mm/in.    | G mm/in.    | H mm/in.    | Rack Units |
|----------------|------------------------------------------|--------------|-------------|-------------|-------------|------------|
| ERC3U4837      | 133 x 483 x 375<br>5.20 x 19.00 x 14.80  | 131<br>5.14  | 103<br>4.04 | 57<br>2.25  | 110<br>4.33 | 3          |
| ERC4U4843      | 177 x 483 x 435<br>7.00 x 19.00 x 17.10  | 175<br>6.89  | 147<br>5.77 | 102<br>4.00 | 155<br>6.08 | 4          |
| ERC6U4843      | 266 x 483 x 435<br>10.50 x 19.00 x 17.10 | 264<br>10.39 | 235<br>9.27 | 190<br>7.50 | 243<br>9.58 | 6          |



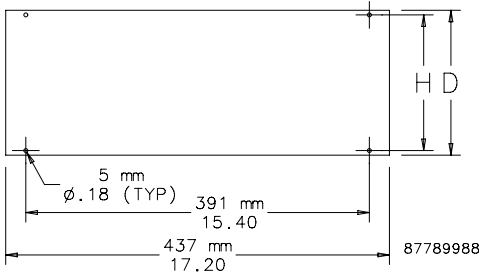
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FRONT PANELS

Blank front panel provides a means to close front or rear of a desktop case. The smooth anodized surface is ideal for mounting controls or meters, etc. The front panel is 2.5-mm thick and fits into the 6-mm (0.24-in.) recess on front (or rear) of the case. Hardware to mount front panel is furnished with case.

BULLETIN: DEC1

| Catalog Number | D (mm) | D (in.) | H (mm) | H (in.) |
|----------------|--------|---------|--------|---------|
| ERCFP3U48      | 120.5  | 4.74    | 110.0  | 4.33    |
| ERCFP4U48      | 165.0  | 6.50    | 154.5  | 6.08    |
| ERCFP6U48      | 253.8  | 9.99    | 243.4  | 9.58    |

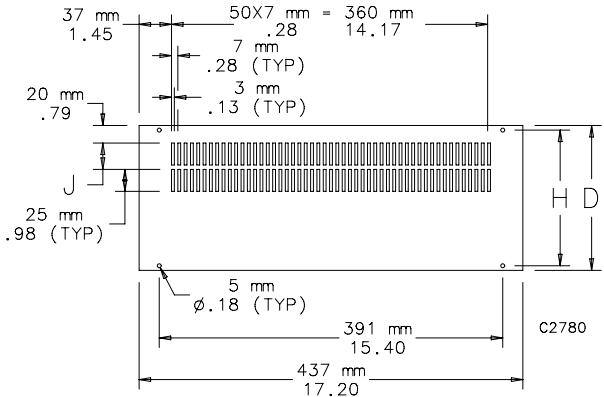


REAR PANELS

Rear panels are 2.5-mm thick anodized aluminum. They include a row of ventilation slots (vertical) along the upper edge of panel. 6U covers have two rows of slots. Hardware to mount rear panel is furnished with case.

BULLETIN: DEC1

| Catalog Number | D mm/in.    | H mm/in.    | J mm/in.  |
|----------------|-------------|-------------|-----------|
| ERCRP3U48      | 121<br>4.74 | 110<br>4.33 | 25<br>.98 |
| ERCRP4U48      | 165<br>6.50 | 155<br>6.08 | 25<br>.98 |
| ERCRP6U48      | 254<br>9.99 | 243<br>9.58 | 25<br>.98 |

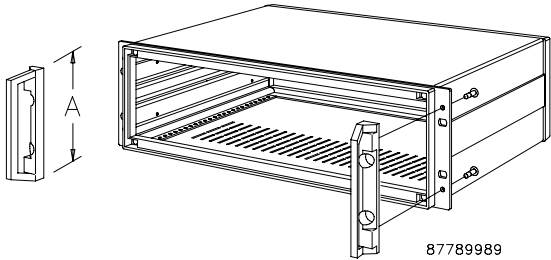


FRONT HANDLES

Handles facilitate movement of the desktop case and installation of the case in a 19-in. rack. They are mounted to the rack-mounting flanges on the 19-in. front bezel. Front bezels have holes partially drilled and countersunk for location and must be drilled through before handle installation. Handles are die-cast aluminum and finished in light-gray (RAL 7030). Package includes two handles with necessary mounting hardware.

BULLETIN: DEC1

| Catalog Number | A (mm) | A (in.) |
|----------------|--------|---------|
| ERCFH3U        | 133    | 5.20    |
| ERCFH4U        | 177    | 7.00    |
| ERCFH6U        | 266    | 10.50   |

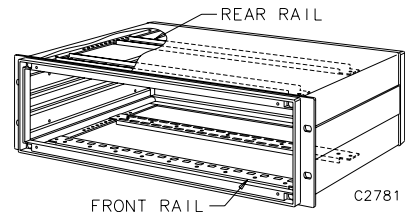
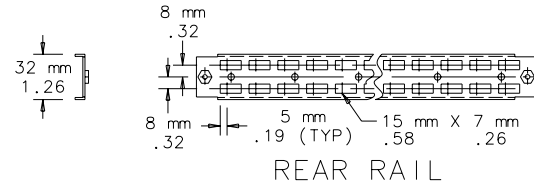
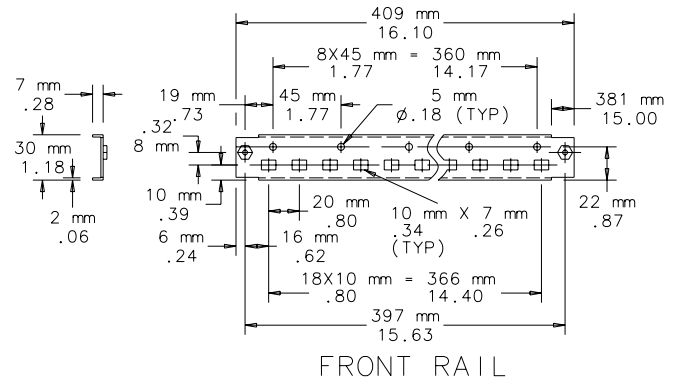


## SUPPORT RAIL KIT

Support rails are recommended for mounting and supporting the weight of bulky components inside a desktop case. Support rails have mounting holes and rectangular slots for mounting components. Rails are 1.5-mm steel with a plated finish. M4 nuts are welded to the rail ends for easy attachment to the case. Mounting holes in the desktop case are spaced on 10-mm centers from front to back, allowing a variety of positions for support rails. Support rail kit includes front rail, rear rail and mounting hardware.

**BULLETIN: DEC1**

| Catalog Number | Kit Includes                                    |
|----------------|-------------------------------------------------|
| ERCRF48        | 1 front rail, 1 rear rail and mounting hardware |



Notes