

CIRCUIT BREAKERS - PANEL MOUNT



Series 14 manual reset panel mount circuit breakers are suitable for a variety of applications ranging from medical equipment to household appliances. We offer two standard versions, but they can also be ordered in customised versions with alternative bushing, termination, mounting, button and reset options.



| 3/8"-27 Nylon Bushing 1/4" QC Straight Terminal | 3/8"-27 Nylon Bushing Screw Terminal Bent 90° | 7/16"-28 Metal Bushing 1/4" QC Straight Terminal | Ampere Rating |
|---|---|--|------------------|
| Part Number | Part Number | Part Number | |
| 1480-103-030 | 1480-123-030 | 1400-103-030 | 3A |
| 1480-103-040 | 1480-123-040 | 1400-103-040 | 4A |
| 1480-103-050 | 1480-123-050 | 1400-103-050 | 5A |
| 1480-103-060 | 1480-123-060 | 1400-103-060 | 6A |
| 1480-103-070 | 1480-123-070 | 1400-103-070 | 7A |
| 1480-103-080 | 1480-123-080 | 1400-103-080 | 8A |
| 1480-103-100 | 1480-123-100 | 1400-103-100 | 10A |
| 1480-103-120 | 1480-123-120 | 1400-103-120 | 12A |
| 1480-103-150 | 1480-123-150 | 1400-103-150 | 15A |
| 1480-103-160 | 1480-123-160 | 1400-103-160 | 16A |
| 1480-103-200 | 1480-123-200 | 1400-103-200 | 20A |
| 1580-101-250 | 1580-131-250 | 1500-101-250 | 25A |
| 1580-101-300 | 1580-131-300 | 1500-101-300 | 30A |
| - | 1580-131-350 | - | 35A |
| - | 1580-131-400 | - | 40A |

Voltage: 250VAC / 50VDC.

I.R.: 1kA at 250VAC / 50VDC, 3kA at 32VDC.

Reset Mechanism: Type III, Manual Reset.

Button: White button with black ampere rating stamp.

Mounting: Panel mount - includes Pal nut & Knurl nut.

Quick Connect Terminals: Male 1/4" (6.35mm).

Screw Terminals: 3A-20A (#6-32), 25A-40A (#8-32).

Screw terminals include screws & lock washers.

Features: Ignition Protected UL 1500.

Options: Weatherproof boots, extended ampere ratings (500mA-2.5A & 45A-70A), snap mounting or various terminal and hardware options. Custom breaker panels see page 130.

Pack Size: Stock lines 1pc, Indent items 50pcs.

Approvals: (3A & 4A at 250VAC / 50VDC)

(5A to 20A at 250VAC / 50VDC)

(25A to 40A at 250VAC / 50VDC)



1/4" Quick Connect
Straight Terminal



#6-32 Screw
Bent 90° Terminal

Spare Pack (SP):

Contains 1pc of one rating
(1480-103-xxx series only).

Weatherproof Boot Options

| Part Number | Bushing Size | Colour |
|-------------|------------------|--------|
| 1680-318-1 | 3/8"-27 UNS-2B | Clear |
| 1680-330-1 | 3/8"-27 UNS-2B | Black |
| 1600-382-1 | 7/16"-28 UNEF-2B | Clear |
| 1600-382-2 | 7/16"-28 UNEF-2B | Black |



Create Your Own Panels:

(refer pages 3 & 4)

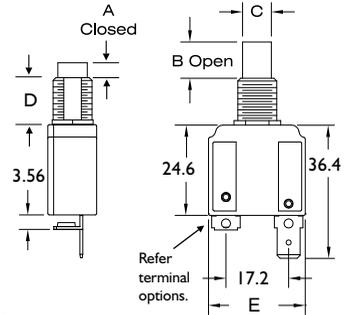
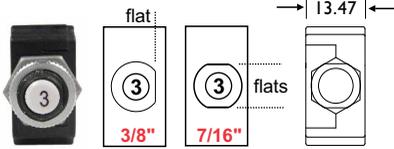


Switch & Breaker Panel



Circuit Breaker Panel

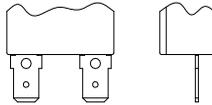
Reset Button W/Amp Stamp



Dimensions in MM

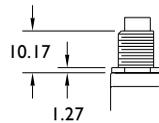
| Bushing | A | B | C | D | Breaker Series | 'E' Dimension |
|----------|------|------|------|------|----------------|---------------|
| 3/8"-27 | 0.76 | 6.10 | 6.10 | 10.3 | 1400 & 1480 | 26.7mm |
| 7/16"-28 | 4.07 | 8.64 | 7.63 | 12.8 | 1500 & 1580 | 29.2mm |

Quick Connect Straight Terminal

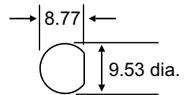


Two 0.250 x 0.032" quick connect straight terminals.

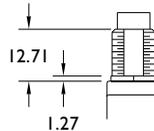
3/8" Threaded Bushing



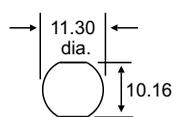
Panel Cutout 3/8"-27 Bushing



7/16" Threaded Bushing



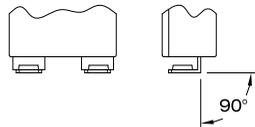
Panel Cutout 7/16"-28 Bushing



Screw Terminal Bent 90°



Screw Terminal Bent 90°



Two threaded #6-32 screw terminals bent at 90°.

Hardware

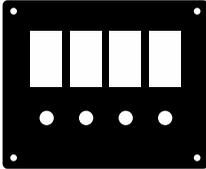


Palnut

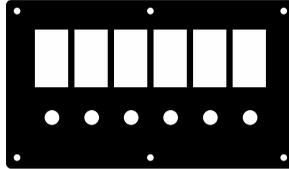


Knurlnut

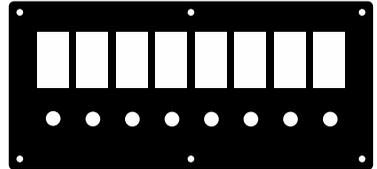
These 4, 6 or 8 way panels enable you to build your own customised circuit breaker / switch panel. Simply order the panel that suits your requirements, then order the switches and circuit breakers (sold separately). Switches are available with different electrical configurations and the switch actuators come in a wide variety of symbols & labelling. Our manual reset circuit breakers are available in ratings from 3A to 20A. Once the switches and breakers are fitted into the panel, connect your cables to them using standard 1/4" quick connect terminals.



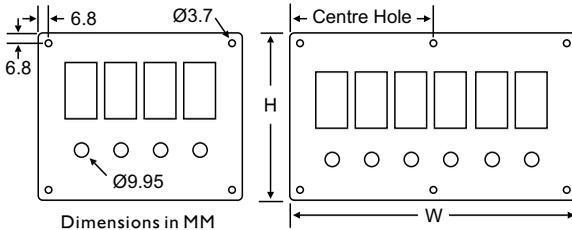
PROPNI14V4WSB



PROPNI14V6WSB



PROPNI14V8WSB



| Number of Positions | Dimensions (W x H) | Centre Hole |
|---------------------|--------------------|-------------|
| 4 Way | 135 x 110mm | - |
| 6 Way | 190 x 110mm | 95mm |
| 8 Way | 240 x 110mm | 120mm |

| Part Number | Description |
|---------------|-------------------|
| PROPNI14V4WSB | 4 Way Blank Panel |
| PROPNI14V6WSB | 6 Way Blank Panel |
| PROPNI14V8WSB | 8 Way Blank Panel |

Panel Material: Aluminum

Panel Thickness: 2.3mm

Hardware: Includes screws.

Note: Switches & circuit breakers are not included with the panel.

RELATED PRODUCTS:



Rocker Switches
Snap Mount

How to order to complete your custom DIY switch breaker panel:

- Step One:** Choose a 4, 6 or 8 way blank panel. (As above)
- Step Two:** Choose the rocker switch units / bases.
- Step Three:** Choose the rocker switch actuators / covers.
- Step Four:** Choose the panel mount circuit breaker for each position.
- Step Five:** If required choose protective boots for the circuit breakers.
- Step Six:** Order a wiring kit or create your own wiring harness.

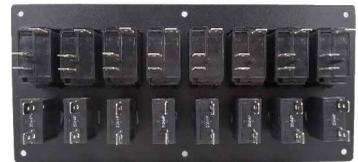
Sample Loaded 8 Way Panel (Non Wired).

Carling Contura V Series II Switches →

Mechanical Products Series 14 Circuit Breakers (Manual reset) →



Loaded Front View
8 Way Switch & Circuit Breaker Panel



Loaded Rear View
8 Way Switch & Breaker Panel

Push To Reset Circuit Breaker Panel

NEW

Prolec now offers a new economy range of standard black powder coated panels that suit the Series 14, 15 and 16 panel mount manual reset circuit breakers. These panels can be mounted either vertically or horizontally. Adhesive stickers can be added to the panel or it can be custom screen printed or a full colour branded label can be fitted over the entire panel. Contact sales for further information. Circuit Breaker options see page 52.



| Part Number | Description |
|---------------|--|
| PROPNI14S12WB | 12 Position Blank Panel (185mm x 110mm) Circuit Breakers NOT included with panel. |

RELATED PRODUCTS:



Push Button Circuit Breakers
Panel Mount