UL 1500 Ignition Proof.
High interrupt capacity.
Reliable on land or sea.

Series 14 Overview

One of the newest members of the Mechanical Products family of circuit protectors is the Series 14.

The Series 14 is an economical and compact circuit protector designed for your equipment protection needs in the 3-20 amp range. The MP Series 14 is suitable for a variety of applications ranging from medical equipment to household appliances.

Series 14 offers:
- 5 unique termination options
- multiple hardware and boot options
- AC/DC ratings from 3 to 20 amps
- UL 1500 Ignition Protection
- UL, cUL, CSA, VDE & CCC certification
- European RoHS Directive compliance
- and a choice of snap-in or threaded mounting, with 9 button and 5 bushing options from which to select.


Minimum Ultimate Trip
The Series 14 offers a minimum ultimate trip of 100% of rated current at 25°C/77°F.

Interrupt/Voltage Ratings
Per UL, Series 14 is rated for 1000A at 250VAC/50VDC and 3000A at 32VDC.

Corrosion (Salt Spray)
The Series 14 conforms to 96hr, 5% salt mist, per IEC 60068-2-11, test Ka.

Overload Trip Time Data (in seconds)

<table>
<thead>
<tr>
<th>Current Rating</th>
<th>200%</th>
<th>300%</th>
<th>400%</th>
<th>500%</th>
<th>600%</th>
<th>800%</th>
<th>1000%</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 20 A</td>
<td>4-40</td>
<td>1.2-12</td>
<td>.6-5</td>
<td>.4-2.8</td>
<td>.3-1.8</td>
<td>.15-6</td>
<td>.12-4</td>
</tr>
</tbody>
</table>

Ambient Temperature Correction Factor

<table>
<thead>
<tr>
<th>Current Rating</th>
<th>°F</th>
<th>23</th>
<th>32</th>
<th>68</th>
<th>77</th>
<th>86</th>
<th>104</th>
<th>122</th>
<th>140</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 4 A</td>
<td>.72</td>
<td>.75</td>
<td>.90</td>
<td>1.00</td>
<td>1.10</td>
<td>1.25</td>
<td>1.61</td>
<td>2.15</td>
<td></td>
</tr>
<tr>
<td>5 - 6 A</td>
<td>.75</td>
<td>.80</td>
<td>.90</td>
<td>1.00</td>
<td>1.05</td>
<td>1.10</td>
<td>1.20</td>
<td>1.40</td>
<td></td>
</tr>
<tr>
<td>7 - 15 A</td>
<td>.80</td>
<td>.85</td>
<td>.95</td>
<td>1.00</td>
<td>1.05</td>
<td>1.15</td>
<td>1.25</td>
<td>1.40</td>
<td></td>
</tr>
<tr>
<td>16 - 20 A</td>
<td>.80</td>
<td>.85</td>
<td>.95</td>
<td>1.00</td>
<td>1.03</td>
<td>1.08</td>
<td>1.16</td>
<td>1.22</td>
<td></td>
</tr>
</tbody>
</table>

Vibration and Shock
The Series 14 is vibration rated at 8g per IEC 60068-2-6, test Fc, and shock rated at 30g (11ms) per IEC 60068-2-27, test Ea.
Series 14 Physical Configuration

Bushing Options
(See Part Numbering Guide)

3/8" Bushing

7/16" Bushing

15/32" Bushing

Terminal Options
(See Part Numbering Guide)

Envelope Dimensions

<table>
<thead>
<tr>
<th>7/16</th>
<th>15/32</th>
<th>3/8</th>
<th>Snap-In</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>.16</td>
<td>.18</td>
<td>.03</td>
</tr>
<tr>
<td>B</td>
<td>.34</td>
<td>.36</td>
<td>.24</td>
</tr>
<tr>
<td>C</td>
<td>.30</td>
<td>.30</td>
<td>.24</td>
</tr>
</tbody>
</table>

Hardware Options
(See Part Numbering Guide)

Oversized Knurled (Nylon)  Boot  Washer (for 6/32 & 8/32)  Terminal Screw  Nut  Knurled  Hexnut  Nameplate
**Mounting Bushing**

- **0** = 7/16”-28 threaded metal, two bushing flats perpendicular to case thickness (a)
- **3** = 15/32”-32 threaded metal, shouldered, with two flats perpendicular to the case thickness (b)
- **5** = Snap-in bushing, “PRESS” mark parallel to case thickness and opposite terminals (c)
- **8** = 3/8”-27 threaded nylon, one flat parallel to case thickness and opposite terminals (d)
- **9** = 3/8”-27 threaded metal, one flat parallel to case thickness and opposite terminals (d)

**Ampere Range**

- **0** = 3 to 20 amp, with amp stamp between terminals (g)

**Button**

- **0** = white — no amp stamp
- **1** = white — black parallel amp stamp (e)
- **2** = white — black perpendicular amp stamp (f)
- **3** = black — no amp stamp
- **4** = black — white parallel amp stamp (e)
- **5** = black — white perpendicular amp stamp (f)
- **6** = red — no amp stamp
- **7** = red — white parallel amp stamp (e)
- **8** = red — white perpendicular amp stamp (f)

**Terminals**

- **0** = Both terminals quick connect, straight (a)
- **1** = Both terminals quick connect, bent at 90° (b)
- **2** = Both terminals w/ #6-32 threads, bent at 90° (c)
- **3** = Both terminals w/ #8-32 threads, bent at 90° (c)
- **4** = One terminal quick connect straight and one terminal w/ #6-32 threads, bent at 90° (d)

**Agency Approvals**

- **0** = CCC
- **3** = UL/CSA/VDE/CCC (3 & 4A @ 125VAC/50VDC)
- **3** = UL/CSA/VDE/CCC (5 - 20A @ 250VAC/50VDC)

**P/N: 14**

**Series Number**

- **14** = Series 14 Circuit Protector

**Amp Rating**

- **030 to 200** = 3 to 20 amps

**Hardware Code (bulk packed)**

- **15** = For 7/16” bushing. 1 ea. knurl nut, pal nut
- **A2** = For 7/16” bushing. 1 ea. knurl nut, pal nut; 2 ea. 6-32 terminal screw, lockwasher
- **C5** = For 7/16” bushing. 1 ea. knurl nut, pal nut; 2 ea. 8-32 terminal screw, lockwasher
- **13** = For 15/32” bushing. 1 ea. knurl nut, lockwasher
- **51** = For 3/8” bushing. 1 ea. knurl nut, pal nut
- **A9** = For 3/8” bushing. 1 ea. black nylon knurl nut, lockwasher; 2 ea. 8-32 terminal screw, lockwasher
- **E4** = For 3/8” bushing. 1 ea. knurl nut, pal nut; 2 ea. 6-32 terminal screw, lockwasher

Note: For additional hardware options, please consult factory.