

# Specifications for IEC 309 watertight pin & sleeve devices

## Product description

**North American** 100A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

Device type	100A pin & sleeve receptacles	100A pin & sleeve plugs	100A pin & sleeve connectors	100A pin & sleeve inlets
<b>Testing &amp; code compliance</b>	<b>Base device:</b> <ul style="list-style-type: none"> <li>Classified to IEC standards 60309-1 and 60309-2</li> <li>cULus listed to UL1682 &amp; UL1686 and CSA 22.2 no. 182.1</li> </ul>	<b>Base device:</b> <ul style="list-style-type: none"> <li>Classified to IEC standards 60309-1 and 60309-2</li> <li>cULus listed to UL1682 &amp; UL1686 and CSA 22.2 no. 182.1</li> </ul>	<b>Base device:</b> <ul style="list-style-type: none"> <li>Classified to IEC standards 60309-1 and 60309-2</li> <li>cULus listed to UL1682 &amp; UL1686 and CSA 22.2 no. 182.1</li> </ul>	<b>Base device:</b> <ul style="list-style-type: none"> <li>Classified to IEC standards 60309-1 and 60309-2</li> <li>cULus listed to UL1682 &amp; UL1686 and CSA 22.2 no. 182.1</li> </ul>
<b>Environmental specifications</b>	<b>Flammability:</b> Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) <b>Protection:</b> Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	<b>Flammability:</b> Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) <b>Protection:</b> Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	<b>Flammability:</b> Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) <b>Protection:</b> Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	<b>Flammability:</b> Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) <b>Protection:</b> Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9
<b>Electrical specifications</b>	<b>Dielectric voltage:</b> 3000V <b>Maximum working voltage:</b> 600V (rms) <b>Current interrupting:</b> Yes, at full-rated current & voltage <b>Temperature rise:</b> Max. 30°C (86°F) after 50 cycles of overload @150% of rated current <b>Endurance:</b> 500 cycles	<b>Dielectric voltage:</b> 3000V <b>Maximum working voltage:</b> 600V (rms) <b>Current interrupting:</b> Yes, at full-rated current & voltage <b>Temperature rise:</b> Max. 30°C (86°F) after 50 cycles of overload @150% of rated current <b>Endurance:</b> 500 cycles	<b>Dielectric voltage:</b> 3000V <b>Maximum working voltage:</b> 600V (rms) <b>Current interrupting:</b> Yes, at full-rated current & voltage <b>Temperature rise:</b> Max. 30°C (86°F) after 50 cycles of overload @150% of rated current <b>Endurance:</b> 500 cycles	<b>Dielectric voltage:</b> 3000V <b>Maximum working voltage:</b> 600V (rms) <b>Current interrupting:</b> Yes, at full-rated current & voltage <b>Temperature rise:</b> Max. 30°C (86°F) after 50 cycles of overload @150% of rated current <b>Endurance:</b> 500 cycles
<b>Mechanical specifications</b>	<b>Terminal accommodations:</b> #4 - 1/0 #12 - #16 AWG (pilot) <b>Voltage ratings:</b> Marked on device <b>Impact resistance:</b> UL1682 <b>Cable grip retention:</b> UL1682	<b>Terminal accommodations:</b> #4 - 1/0 #12 - #16 AWG (pilot) <b>Voltage ratings:</b> Marked on device <b>Impact resistance:</b> UL1682 <b>Cable grip retention:</b> UL1682	<b>Terminal accommodations:</b> #4 - 1/0 #12 - #16 AWG (pilot) <b>Voltage ratings:</b> Marked on device <b>Impact resistance:</b> UL1682 <b>Cable grip retention:</b> UL1682	<b>Terminal accommodations:</b> #4 - 1/0 #12 - #16 AWG (pilot) <b>Voltage ratings:</b> Marked on device <b>Impact resistance:</b> UL1682 <b>Cable grip retention:</b> UL1682
<b>Materials</b>	<b>Housing &amp; flange:</b> Nylon PA66 <b>Back body:</b> N/A <b>Contact carrier:</b> Nylon PA6 <b>Sleeves:</b> Nickel plated brass <b>Contact spring on sleeves:</b> Nickel plated spring steel <b>Pins:</b> N/A <b>External strain relief clamp:</b> N/A <b>Cable seal:</b> N/A <b>Support washer for cord grip:</b> N/A <b>Cover:</b> Nylon PA6-GF30 <b>Hinge pin:</b> Nylon PA6-GF30 <b>Cover spring:</b> Nickel plated spring steel <b>Cover gasket:</b> Silicon rubber <b>Flange gasket:</b> Silicon rubber <b>Terminal screws:</b> Nickel plated steel <b>Assembly screws:</b> Stainless steel	<b>Housing &amp; flange:</b> Nylon PA66 <b>Back body:</b> Nylon PA6-GF30 <b>Contact carrier:</b> Nylon PA6 <b>Sleeves:</b> N/A <b>Contact spring on sleeves:</b> N/A <b>Pins:</b> Nickel plated brass <b>External strain relief clamp:</b> Nylon PA6-GF30 <b>Cable seal:</b> Silicon rubber <b>Support washer for cord grip:</b> Plated Steel <b>Cover:</b> N/A <b>Hinge pin:</b> N/A <b>Cover spring:</b> N/A <b>Cover gasket:</b> N/A <b>Flange gasket:</b> N/A <b>Terminal screws:</b> Nickel plated steel <b>Assembly screws:</b> Stainless steel	<b>Housing &amp; flange:</b> Nylon PA66 <b>Back body:</b> Nylon PA6-GF30 <b>Contact carrier:</b> Nylon PA6 <b>Sleeves:</b> Nickel plated brass <b>Contact spring on sleeves:</b> Nickel plated spring steel <b>Pins:</b> N/A <b>External strain relief clamp:</b> Nylon PA6-GF30 <b>Cable seal:</b> Silicon rubber <b>Support washer for cord grip:</b> Plated Steel <b>Cover:</b> Nylon PA6-GF30 <b>Hinge pin:</b> Nylon PA6-GF30 <b>Cover spring:</b> Nickel plated spring steel <b>Cover gasket:</b> Silicon rubber <b>Flange gasket:</b> N/A <b>Terminal screws:</b> Nickel plated steel <b>Assembly screws:</b> Stainless steel	<b>Housing &amp; flange:</b> Nylon PA66 <b>Back body:</b> N/A <b>Contact carrier:</b> Nylon PA6 <b>Sleeves:</b> N/A <b>Contact spring on sleeves:</b> N/A <b>Pins:</b> Nickel plated brass <b>External strain relief clamp:</b> N/A <b>Cable seal:</b> N/A <b>Support washer for cord grip:</b> N/A <b>Cover:</b> N/A <b>Hinge pin:</b> N/A <b>Cover spring:</b> N/A <b>Cover gasket:</b> N/A <b>Flange gasket:</b> Silicon rubber <b>Terminal screws:</b> Nickel plated steel <b>Assembly screws:</b> Stainless steel

Compliances, specifications and availability are subject to change without notice.