

Specifications for IEC 309 watertight pin & sleeve devices



Product description

North American 20A & 30A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

Device type	20A & 30A pin & sleeve receptacles	20A & 30A pin & sleeve plugs	20A & 30A pin & sleeve connectors	20A & 30A pin & sleeve inlets
Testing & code compliance	Base device: <ul style="list-style-type: none"> Classified to IEC standards 60309-1 and 60309-2 cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 	Base device: <ul style="list-style-type: none"> Classified to IEC standards 60309-1 and 60309-2 cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 	Base device: <ul style="list-style-type: none"> Classified to IEC standards 60309-1 and 60309-2 cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1 	Base device: <ul style="list-style-type: none"> Classified to IEC standards 60309-1 and 60309-2 cULus listed to UL1682 & UL1686 and CSA 22.2 no. 182.1
Environmental specifications	Flammability: Meets UL94 requirements; HB rated (housing), VO rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), VO rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), VO rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), VO rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9
Electrical specifications	Dielectric voltage: 3000V Maximum working voltage: 600V (rms) Current interrupting: Yes, at full-rated current & voltage Temperature rise: Max. 30°C (86°F) after 50 cycles of overload @150% of rated current Endurance: 5000 cycles	Dielectric voltage: 3000V Maximum working voltage: 600V (rms) Current interrupting: Yes, at full-rated current & voltage Temperature rise: Max. 30°C (86°F) after 50 cycles of overload @150% of rated current Endurance: 5000 cycles	Dielectric voltage: 3000V Maximum working voltage: 600V (rms) Current interrupting: Yes, at full-rated current & voltage Temperature rise: Max. 30°C (86°F) after 50 cycles of overload @150% of rated current Endurance: 5000 cycles	Dielectric voltage: 3000V Maximum working voltage: 600V (rms) Current interrupting: Yes, at full-rated current & voltage Temperature rise: Max. 30°C (86°F) after 50 cycles of overload @150% of rated current Endurance: 5000 cycles
Mechanical specifications	Terminal accommodations: #12 - #10 AWG (20A) #10 - #8 AWG (30A) Voltage ratings: Marked on device Impact resistance: UL1682 Cable grip retention: UL1682	Terminal accommodations: #12 - #10 AWG (20A) #10 - #8 AWG (30A) Voltage ratings: Marked on device Impact resistance: UL1682 Cable grip retention: UL1682	Terminal accommodations: #12 - #10 AWG (20A) #10 - #8 AWG (30A) Voltage ratings: Marked on device Impact resistance: UL1682 Cable grip retention: UL1682	Terminal accommodations: #12 - #10 AWG (20A) #10 - #8 AWG (30A) Voltage ratings: Marked on device Impact resistance: UL1682 Cable grip retention: UL1682
Materials	Housing & flange: Nylon PA6-GF30 Back body: N/A Contact carrier: Nylon PA6 Sleeves: Nickel plated brass Contact spring on sleeves: Nickel plated spring steel Pins: N/A External strain relief clamp: N/A Cable seal: N/A Support washer for cord grip: N/A Cover: Nylon PA6-GF30 Hinge pin: Nylon PA6-GF30 Cover spring: Stainless steel Cover gasket: Silicon rubber Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6-GF30 Back body: Nylon PA6-GF30 Contact carrier: Nylon PA6 Sleeves: N/A Contact spring on sleeves: N/A Pins: Nickel plated brass External strain relief clamp: Nylon PA6-GF30 Cable seal: Silicon rubber Support washer for cord grip: Plated steel Cover: N/A Hinge pin: N/A Cover spring: N/A Cover gasket: Silicon rubber Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6-GF30 Back body: Nylon PA6-GF30 Contact carrier: Nylon PA6 Sleeves: Nickel plated brass Contact spring on sleeves: Nickel plated spring steel Pins: N/A External strain relief clamp: Nylon PA6-GF30 Cable seal: Silicon rubber Support washer for cord grip: Plated steel Cover: Nylon PA6-GF30 Hinge pin: Nylon PA6-GF30 Cover spring: Stainless steel Cover gasket: Silicon rubber Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6 Back body: N/A Contact carrier: N/A Sleeves: N/A Contact spring on sleeves: N/A Pins: Nickel plated brass External strain relief clamp: N/A Cable seal: N/A Support washer for cord grip: N/A Cover: N/A Hinge pin: N/A Cover spring: N/A Cover gasket: Silicon rubber Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel

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