

Specifications for IEC 309 watertight pin & sleeve devices

Product description

International 63A; 2-pole, 3-wire grounding; 3-pole, 4-wire grounding; 4-pole, 5-wire grounding

Device type	63A pin & sleeve receptacles	63A pin & sleeve plugs	63A pin & sleeve connectors	63A pin & sleeve inlets
Testing & code compliance:	Base device: Classified to IEC standards 60309-1 and 60309-2	Base device: Classified to IEC standards 60309-1 and 60309-2	Base device: Classified to IEC standards 60309-1 and 60309-2	Base device: Classified to IEC standards 60309-1 and 60309-2
Environmental specifications	Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9	Flammability: Meets UL94 requirements; HB rated (housing), V0 rated (contact carriers) Protection: Watertight to IP67 per IEC 60529 & IP69K to DIN 40050 Part 9
Electrical specifications	Dielectric voltage: 50-415V: 2000V, 415-500V: 2500V Maximum working voltage: 480V Breaking capacity: Tested at 110% rated voltage & 125% rated current Temperature rise: 50°C Max. Normal operation: 2000 cycles	Dielectric voltage: 50-415V: 2000V, 415-500V: 2500V Maximum working voltage: 480V Breaking capacity: Tested at 110% rated voltage & 125% rated current Temperature rise: 50°C Max. Normal operation: 2000 cycles	Dielectric voltage: 50-415V: 2000V, 415-500V: 2500V Maximum working voltage: 480V Breaking capacity: Tested at 110% rated voltage & 125% rated current Temperature rise: 50°C Max. Normal operation: 2000 cycles	Dielectric voltage: 50-415V: 2000V, 415-500V: 2500V Maximum working voltage: 480V Breaking capacity: Tested at 110% rated voltage & 125% rated current Temperature rise: 50°C Max. Normal operation: 2000 cycles
Mechanical specifications	Terminal accommodations: #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) Voltage ratings: Marked on device Impact resistance: IEC60309-1 Cable grip retention: IEC60309-2	Terminal accommodations: #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) Voltage ratings: Marked on device Impact resistance: IEC60309-1 Cable grip retention: IEC60309-2	Terminal accommodations: #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) Voltage ratings: Marked on device Impact resistance: IEC60309-1 Cable grip retention: IEC60309-2	Terminal accommodations: #8 - #2 AWG #10 - #2 AWG (ground) #12 - #16 AWG (pilot) Voltage ratings: Marked on device Impact resistance: IEC60309-1 Cable grip retention: IEC60309-2
Materials	Housing & flange: Nylon PA6 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: N/A Hinge pin: Nylon PA6-GF30 Cover spring: Nickel plated spring steel Cover gasket: Silicon rubber Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6 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: Nylon PA6-GF30 Hinge pin: N/A Cover spring: N/A Cover gasket: N/A Flange gasket: N/A Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6 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: N/A Hinge pin: Nylon PA6-GF30 Cover spring: Nickel plated spring steel Cover gasket: Silicon rubber Flange gasket: N/A Terminal screws: Nickel plated steel Assembly screws: Stainless steel	Housing & flange: Nylon PA6 Back body: N/A Contact carrier: Nylon PA6 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: Nylon PA6-GF30 Hinge pin: N/A Cover spring: N/A Cover gasket: N/A Flange gasket: Silicon rubber Terminal screws: Nickel plated steel Assembly screws: Stainless steel

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