

ABB IEC 60 309 International Pin and Sleeve

Mechanical Interlocks (Unfused/Switched, Fused and Breakered)

Performance — Electrical

Dielectric Voltage Withstand	3000 volts
Maximum Working Voltage	480 volts RMS (circuit breaker version) 600 volts RMS (switch version)
Current Interrupting	Certified for current interrupting at full rated current and voltage
Short-Circuit Current Rating Operations	10,000 RMS symmetrical amperes Mechanical: 10,000 cycles Electrical: 6000 cycles
HP Ratings (switch version)	Complies with NEC® 430-151 ratings
Circuit Breaker UL Listed	22,000 AIC
Interrupting Rating	

Performance — Mechanical

Cold (-35° C) Impact Resistance	In accordance with UL 746C
Wiring Accommodations	Suitable for metallic conduit. Conduit entry locations at enclosure top and bottom
Terminal Identification	In accordance with UL, CSA and IEC 60 309 conventions
Product Identification	Identification, ratings and color code in accordance with UL, CSA and IEC 60 309 requirements
Lockout/Tagout	"ON" and "OFF" lockout/tagout capability at switch handle. Complies with OSHA Reg. 29CFR 1910.147
Mounting	External adjustable feet



Performance — Environmental

Moisture Resistance	Screw cap version: UL Type 4X & 12K, IP67
Flammability	UL 94-5VA and V0 classifications
Operating Temperatures	Maximum continuous: 60° C (140° F) Minimum continuous: -40° C (-40° F)
UV Resistance	UV-stabilized material in accordance with UL® 746C
Chemicals	Resists most standard industrial hydrocarbons, acids, bases and solvents

Materials

Enclosure (all exterior components)	UL 94-5VA/V0, UV-stabilized, impact-modified Valox®
Contact Carrier	Molded arc-resistant UL 94-V0 thermoplastic
Gaskets	Chloroprene or EPDM
Contacts (sleeves)	Brass
Hardware (screws and springs)	Steel with zinc-plated blue chromate or nickel plating

Approvals and Compliances

UL 508 and UL 98 (switch version) UL 231 and UL 489 (circuit breaker version) UL 1682, 1686	
IEC 60 309-1, -2, -4	
CSA C22.2 No. 14, 182.1	