

# 15.5 kV, 110 kV BIL, 600 A, Porcelain (2 1/4" Bolt Circle) insulation, M3 Switch

By Chance Catalog # M3D62ACL

14.4kV, 110kV, 600 A, Single-Phase Hookstick Disconnect Switch.

#### Features

- Fully Compliant with ANSI/IEEE C37.30.1
- 15, 27 & 38kV Voltage Classes
- 110, 125, 150, 200kV BIL Insulation Levels
- 600A & 900A Current Ratings
- Porcelain and ESP Polymer Insulator Assemblies with 2.25" Bolt Circles
- Distribution Base, Serrated Slots
- Load Break Option Available

#### General

Base Type	Distribution Base, Serrated Slots
Blade Type	Solid Copper (two blade truss- member)
Cantilever Bending Strength - Routine	1,200 Lbs (5.34 kN)
Catalog Number	M3D62ACL
Color - Insulator	Sky Gray
Contact	Silver
Description - Captive Hardware	Consist of 4 each: 1/2" 13
	Stainless Steel Splined Bolt,
	1/2" Lockwasher and Bronze
	Nut
Insulator Type	Porcelain (2 1/4" Bolt Circle)
Material - Base	Galvanized Steel per ASTM
	A153
Tension Range	5000 lb
Torsional Strength	3,000 in Lbs (339 N-M)
Dimensions	
Bolt Length	10 in
Electrical Ratings	

#### Electrical Ratings

Arc Distance - Dry BIL 6" (152.4mm) 110 kV



\*Representative Image

Current Overload - 8hr1080 AEmergency600 ACurrent Rating600 ADead-Ending Rating - Working8,000 LbsLoad14.4kVReference Voltage Limit -14.4kVMinimum28°C600A15.5 kVVoltage - Maximum15.5 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetricalWithstand Current - Short Time16kA, symmetrical(2 sec)16kA, symmetrical(3 sec)1000000000000000000000000000000000000	Creep and Leakage Distance	10.5" (266.7mm)
Current Rating600 ADead-Ending Rating - Working8,000 LbsLoad14.4kVReference Voltage Limit -14.4kVMinimum28°C600A28°CVoltage - Maximum15.5 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetrical(2 sec)16kA, symmetrical	Current Overload - 8hr	1080 A
Dead-Ending Rating - Working 8,000 Lbs Load 8,000 Lbs Load 14.4kV Minimum 24.4kV Minimum 26.5k° 600A 28°C 600A 26.5kV Voltage - Maximum 15.5 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) 25kA, symmetrical (2 sec) 25kA, symmetrical	Emergency	
Load Reference Voltage Limit - 14.4kV Minimum Temperature Rise - Max. at 28°C 600A Voltage - Maximum 15.5 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	Current Rating	600 A
Reference Voltage Limit - 14.4kV Minimum Temperature Rise - Max. at 28°C 600A Voltage - Maximum 15.5 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	Dead-Ending Rating - Working	8,000 Lbs
MinimumTemperature Rise - Max. at28°C600A15.5 kVVoltage - Maximum15.5 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetricalWithstand Current - Short Time25kA, symmetrical(2 sec)16kA, symmetrical	Load	
Temperature Rise - Max. at28°C600A15.5 kVVoltage - Maximum15.5 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetricalWithstand Current - Short Time25kA, symmetrical(2 sec)16kA, symmetrical	Reference Voltage Limit -	14.4kV
600A Voltage - Maximum 15.5 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	Minimum	
Voltage - Maximum15.5 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)40kA, asymmetricalWithstand Current - Short Time25kA, symmetrical(2 sec)16kA, symmetrical	Temperature Rise - Max. at	28°C
Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	600A	
(10 cycles) Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	Voltage - Maximum	15.5 kV
Withstand Current - Short Time 25kA, symmetrical (2 sec) Withstand Current - Short Time 16kA, symmetrical	Withstand Current - Short Time	40kA, asymmetrical
(2 sec) Withstand Current - Short Time 16kA, symmetrical	(10 cycles)	
Withstand Current - Short Time 16kA, symmetrical	Withstand Current - Short Time	25kA, symmetrical
	(2 sec)	
(3 sec)	Withstand Current - Short Time	16kA, symmetrical
	(3 sec)	

## **Certifications And Compliance**

Industry Standard(s)	All Applicable ANSI/IEEE
	Standards

### Logistics

Pallet Quantity	42 EA
Standard Package	1

#### **Product Assets**

Catalogs - Hookstick Operated Switches Installation Manuals - M3\_Instructions Installation Manuals - Instructions for CHANCE Type M3 Distribution Switch Installation Manuals - Type M3C Single Insulator Disconnect Switch for Distribution Switching Literature - SA-M3D\_C Sales Drawings - Type M3 Switch Specifications - M3D62ACL

