

38 kV, 150 kV BIL, 900 A, Polymer (2 1/4" Bolt Circle) insulation, M3 Switch

By Chance Catalog # M3H98ALR

34.5kV, 150kV, 900 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

General

Base Type Blade Type Cantilever Bending Strength -Routine Catalog Number Color - Insulator Contact Insulator Type Material - Base Tension Range Torsional Strength Distribution Base, Smooth Slots Solid Copper (two blade trussmember) 800 Lbs (3.56 kN)

M3H98ALR Dark Gray Silver Polymer (2 1/4" Bolt Circle) Galvanized Steel per ASTM A153 5000 lb 3,000 in Lbs (339 N-M)

Dimensions

Bolt Length

10 in



Electrical Ratings

BIL150 kVCreep and Leakage Distance28.2" (716.3mm)Current Overload - 8hr1620 AEmergency900 ACurrent Rating900 ADead-Ending Rating - Working8,000 LbsLoad34.5kVMinimum46.7°C900A38 kVVoltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetrical	Arc Distance - Dry	10" (254mm)
Current Overload - 8hr1620 AEmergency900 ACurrent Rating900 ADead-Ending Rating - Working8,000 LbsLoad34.5kVMinimum34.5kVTemperature Rise - Max. at46.7°C900A38 kVVoltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetrical	BIL	150 kV
Emergency Current Rating 900 A Dead-Ending Rating - Working 8,000 Lbs Load Reference Voltage Limit - 34.5kV Minimum Temperature Rise - Max. at 46.7°C 900A Voltage - Maximum 38 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	Creep and Leakage Distance	28.2" (716.3mm)
Current Rating900 ADead-Ending Rating - Working8,000 LbsLoad34.5kVReference Voltage Limit -34.5kVMinimum46.7°C900A500AVoltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetrical	Current Overload - 8hr	1620 A
Dead-Ending Rating - Working 8,000 Lbs Load Reference Voltage Limit - 34.5kV Minimum Temperature Rise - Max. at 46.7°C 900A Voltage - Maximum 38 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	Emergency	
Load Reference Voltage Limit - 34.5kV Minimum Temperature Rise - Max. at 46.7°C 900A Voltage - Maximum 38 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	Current Rating	900 A
Reference Voltage Limit - 34.5kV Minimum Temperature Rise - Max. at 46.7°C 900A Voltage - Maximum 38 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	Dead-Ending Rating - Working	8,000 Lbs
Minimum Temperature Rise - Max. at 46.7°C 900A Voltage - Maximum 38 kV Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	Load	
Temperature Rise - Max. at46.7°C900A38 kVVoltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)25kA, symmetrical	Reference Voltage Limit -	34.5kV
900AVoltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)Withstand Current - Short Time25kA, symmetrical	Minimum	
Voltage - Maximum38 kVWithstand Current - Short Time40kA, asymmetrical(10 cycles)Withstand Current - Short Time25kA, symmetrical	Temperature Rise - Max. at	46.7°C
Withstand Current - Short Time 40kA, asymmetrical (10 cycles) Withstand Current - Short Time 25kA, symmetrical	900A	
(10 cycles) Withstand Current - Short Time 25kA, symmetrical	Voltage - Maximum	38 kV
Withstand Current - Short Time 25kA, symmetrical	Withstand Current - Short Time	40kA, asymmetrical
	(10 cycles)	
(2 sec)	Withstand Current - Short Time	25kA, symmetrical
	(2 sec)	
Withstand Current - Short Time 16kA, symmetrical	Withstand Current - Short Time	16kA, symmetrical
(3 sec)	(3 sec)	

Certifications And Compliance

Industry Standard(s)	All Applicable ANSI/IEEE
	Standards

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Logistics

Standard Package

Product Assets

Catalogs - Hookstick Operated Switches Literature - SA-M3D_C Sales Drawings - Type M3 Switch



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