

# TECHNICAL SPECIFICATION

Item 1 – NOVA15 800 A 16 kA:

<b>RECLOSER NOVA15</b>	
Three-phase recloser, electronically controlled, manufactured and tested in accordance with IEEE C37.60-2003™ (Cooper Power Series).	
Recloser Part Number: KN15.2BB60X.CPRP1.ALF1.SXX.A11.XXX.S <span style="float: right;">REV4.5 - January 6, 2022</span>	
<b>1 Electrical Characteristics</b>	
Nominal Voltage (kV)	15,0
Maximum Voltage (kV)	15,5
Basic Impulse Level, Wave 1,2 x 50 us (kV)	125
Power Frequency Withstand, Dry, Over 1 Minute (kV)	50
Power Frequency Withstand, Wet, Over 10 Seconds (kV)	45
Radio Noise Limit (µV)	100 @ 9,4 kV
Rated Continuous Current (A)	800
Short Circuit Current, Symmetrical (kA / 1 second)	16,0
Frequency (Hz)	60
Making Current, Asymmetrical Peak (kA)	41
Cable Current Load (A)	10
Heater Voltage	127 Vca
Weight (kg)	86
Creepage Distance (mm) - Terminal to Terminal	1156
Creepage Distance (mm) - Lower Terminal to Ground / Earth	673
Minimum Mechanical Operations without Maintenance	10,000
Operation Cycle	O-0,3s-CO-1,8s-CO-1,8s-CL
Dimensions (mm)	See the Reference Drawings
Measure A (mm)	121
Measure B (mm)	847
Measure C (mm)	564
<b>2 Standard Components</b>	
<ul style="list-style-type: none"> <li>· 3 Vacuum-interrupting Pole Assembly with Epoxi Isolation</li> <li>· Internal Current Sensors (Installed in the Source Side Bushing) with Ratio 1000:1 A</li> <li>· Open / Close Mechanism</li> <li>· Magnetic Actuator</li> <li>· Manual Open Handle</li> <li>· Data Plate</li> <li>· Lifting Lugs</li> <li>· Open / Close Contact Position Indicator</li> </ul>	
<b>3 Specific Components</b>	
Recloser Type	Control Powered
Supporting Structure	Round Pole
Type of Installation	Front Mount Hanger
Recloser Tank Material	Aluminium
Tank Finishing	Painted According to ETA-011 - MUNSELL N6.5 - Thickness 75 µm
Terminal Connector	Flat Pad 4 Holes
Recloser Ground Connector	10 - 70 mm <sup>2</sup>
Internal Voltage Sensor	06 Internal Voltage Sensor
External Voltage Sensor	Not Included
Auxiliary Contacts	Not Included
Accessories	Mechanical Operation Counter
Phase Identification	Indicatory Labels Phase A-B-C
Source / Load Identification	Indicatory Labels Source / Load
Additional Structure	Not Included
Potential Transformer	Not Included
Surge Arresters	Not Included
Labels Language	Spanish
<b>4 References</b>	
<ul style="list-style-type: none"> <li>· <a href="#">S280-42-1 (Installation and Operation Instructions)</a></li> </ul>	

## MICROPROCESSOR-BASED RECLOSER CONTROL TYPE M-7679

### 1 Power Supply

- Control Power Supply: Full Range (85 - 265 Vac / 100 - 300 Vdc)
- Auxiliary Supply: Not Included
- Backup Battery: 02 Batteries (12 Vdc + 12 Vdc - 12 Ah)

### 2 Control Housing Cabin

- Control Cabinet Type: Cabinet with Front Access
- Material of Control Cabinet: Mild Steel
- Finishing: Painted According to ETA-005 - MUNSELL N6.5 - Thickness 150 µm
- Cabinet Ground Connector: 10 - 70 mm<sup>2</sup>
- Protection Degree: IP65
- Control Cabinet Accessories: Not Included
- Outlet: Power Strip with 02 American Standard "type B" Plugs
- Other Accessories: Not Included
- Radio Support: 28 / 12 Vdc Converter + Radio Support
- Auxiliary Contacts: Not Included
- Control Cable Length (m): 7

### M-7679-V6L1MH6SLV2CC090

Installation	V	Vertical
Frequency	6	60 Hz
Supply	L	Low (18-60 Vdc)
Phase current inputs	1	1 A (3)
Ground current input	M	50 mA SEF
Voltage inputs	H6	(6) LEA-High or TP (300 Vac Max.)
I/O options	SL	(4) Additional LV Inputs 9~180V AC/DC (4) Additional Dry Type Outputs
Operation Type	V	Distribution automation package (79, SW/SECT, LS) – Three-Phase operation
Port 1 (Serial)	2	Port TIA-232
Port 2/Port 3 (Ethernet)	CC	2x RJ-45 10/100Mbps Ethernet Port
Port 4 (Serial)	0	None
Protocol	9	IEC 61850 + IEC 60870-5-104 (Requires an Ethernet port)
CSR	0	None