

Item 2 – NOVA38 800 A 16 kA:

RECLOSER NOVA38	
Three-phase recloser, electronically controlled, manufactured and tested in accordance with IEEE C37.60-2003™ (Cooper Power Series). Recloser Part Number: KN38.4BB60X.CPRP1.ALF1.SXX.A11.XXX.S REV4.5 - January 6, 2022	
1 Electrical Characteristics	
Nominal Voltage (kV)	38,0
Maximum Voltage (kV)	38,0
Basic Impulse Level, Wave 1,2 x 50 us (kV)	170
Power Frequency Withstand, Dry, Over 1 Minute (kV)	70
Power Frequency Withstand, Wet, Over 10 Seconds (kV)	60
Radio Noise Limit (µV)	100 @ 23,0 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)	40
Heater Voltage	127 Vca
Weight (kg)	130
Creepage Distance (mm) - Terminal to Terminal	1156
Creepage Distance (mm) - Lower Terminal to Ground / Earth	1559
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)	1115
Measure C (mm)	778
2 Standard Components	
<ul style="list-style-type: none"> · 3 Vacuum-interrupting Pole Assembly with Epoxi Isolation · Internal Current Sensors (Installed in the Source Side Bushing) with Ratio 1000:1 A · Open / Close Mechanism · Magnetic Actuator · Manual Open Handle · Data Plate · Lifting Lugs · Open / Close Contact Position Indicator 	
3 Specific Components	
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 mm²
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
4 References	
<ul style="list-style-type: none"> · S280-42-1 (Installation and Operation Instructions) 	

MICROPROCESSOR-BASED RECLOSER CONTROL TYPE M-7679

1	Power Supply
	<ul style="list-style-type: none"> · 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
	<ul style="list-style-type: none"> · 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 mm² · 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