

Accessories

CM Recloser and Sectionalizer Test Cables



Test cables for testing distribution Reclosers & Sectionalizers, including their controllers and switches, are used with the CMC 356, CMC 353¹ or CMC 256 test sets. Each recloser and Sectionalizer contains a switch and a controller connected through a basic control cable, provided by the device manufacturer. Each test cable is built with all components necessary to make a direct connection between the CMC at one end & the device under test at the other end. Each test package has been designed to allow testing of all functionality that the manufacturer provided in the control cable, and includes sample test plan(s)² with instructions for connecting and using the test cables. Combining these test cables with the CMC's abilities, makes synchronized testing of Total DAR Systems' logic practical both in the Lab and in the field. (Including Communications & Sequence Coordination Logic.)

Testing Sectionalizer or Recloser Controllers

These test systems simulate the switch end with all of its voltages, currents, and contacts to give the controller all system condition(s) for which the tester needs to test without changing settings. The functional tests for the controllers include: Current Pick-up levels and timing, Voltage Pick-up & Drop-out levels, Complete Logic Trip Cycles to lock-out sequences, Partial Trip Cycles to confirm No False trips under load currents, Under-frequency Load Shedding logic, Trip-Fail-to-Detect Logic, tests, etc. (test plans provided).

Package Options		Sectionalizer Controller (SC)			Recloser Controller (RC)		
Controllers	Cable Package	A1	B1	C1	D1	E1	F1
	Cable Pin Count(s)	8 & 16	24	19	14	8 & 32	26
	Article Number	VEHK0180	VEHK0182	VEHK0184	VEHK0186	VEHK0188	VEHK0189
Cooper Form 4C Standard 14-Pin					X		
Cooper Form 5 – Controller Power DC Nova (Act II)				X			
Cooper Form 5 – Controller Power DC Nova (Act IIC)				X			
Cooper Form 5 – Controller, DC Nova (Act I)				X			
Cooper Form 5 Standard 14-Pin					X		
Cooper Form 5 Triple/Single 26-Pin							X
Cooper Form 6 Standard 14-Pin					X		
Cooper Form 6 Triple/Single 26-Pin							X
G&W Vipers S with SEL351R					X		
McGraw Edison GWC Form 1		X					
McGraw Edison GWC Form 2		X					
S&C 2801		X					
S&C 5801/SH with 3 or 6-Voltages			X				
S&C 5801/SV with 3 or 6-Voltages			X				
S&C 5901/G		X					
Schweitzer – SEL351R Std. 14-Pin					X		
Schweitzer – SEL651R Nova Powered 19-Pin				X			
Schweitzer – SEL651R Std. 14-Pin					X		
Schweitzer – SEL651R S-T 32-Pin						X	

Each controller package includes 4.5 m (15 ft.) test cable(s) and sample test plans

Testing Sectionalizer or Recloser Switches

These test systems can be connected directly to the Recloser/Sectionalizer switch and provide the switch with all the voltages, currents, and contacts which it receives from the controller. The system then records the resulting basic timing of the trip and close operations, a & b contact(s) times, and the metered currents and voltages from the switch. The testing allows the collection of data to compare first trip times to subsequent trip times, and, where applicable, allows timing of the spring charging time which can be used to determine if the switch needs additional maintenance.

Package Options		Sectionalizer Switch (SS)		Recloser Switch (RS)	
Switches	Cable Package	A2	B2	C2	D2
	Cable Pin Count(s)	8 & 16	24	19	14
	Article Number	VEHK0181	VEHK0183	VEHK0185	VEHK0187
Cooper DC Nova, 19-Pin Style Reclosers				X	
Cooper VVVE Standard 14-Pin					X
Cooper VVVE Standard 14-Pin					X
G&W Viper S Standard 14-Pin					X
McGraw Edison GWC Form 1		X			
McGraw Edison GWC Form 2		X			
S&C 5801/SH with 3 or 6-Voltages			X		
S&C 5801/SV with 3 or 6-Voltages			X		

Each switch package includes 4.5 m (15 ft.) test cable(s), 0.5 m (1.5 ft.) adapter cable(s), a small battery for proper operation, and sample test plans

Many special order, auxiliary test cables for voltage & power connections have also been developed. For more information contact info@omiconusa.com.

¹ Some limitations may apply with the CMC 353 on the newest Reclosers and very low pick-up settings

² OCC required for full use of test plans