WL Circuit Breaker

www.usa.siemens.com/WLBreaker [1]

Breaker mounted options

Ground fault module

The ground fault module (GFM) is used to detect current flowing through the grounding conductors which may present a hazardous condition. The module can be field installed but can't be removed once installed. Residual sensing by phase vector summation or direct sensing can be selected on the module or via the setup of the ETU776. Ground fault modules may be ordered as alarm only or as alarm and trip. Alarm will provide a visual and communication notification. Alarm and trip model will trip the breaker in addition to alarm notification.

Key lock-out

To lock the WL breaker in the "Open" position, an optional keylock can be installed in the breaker. The key cylinder and lock-out assembly are mounted in the breaker and accessible through a knockout in the breaker front cover. The key is removable only when the breaker is locked open. If a custom, coordinated key/cylinder is required, order the lock provision-only. The lock cylinder and matched key must then be ordered separately from the respective lock manufacturer.

The compatible Kirk cylinder lock part number is C-900-301. The compatible Superior cylinder lock part number is C-900.

Operation counter

For monitoring the number of breaker operations (open and close) a numerical operations counter is available. This counter is only suitable for breakers equipped with the spring-charging motor option. The counter mounts to the motor assembly and will register manual and electrical breaker operations. Counter is non-resettable up to 100,000 operations. Counter ships with available pre-service operations for field setting to zero.

[1] See page 106 for field install part numbers.

Auxiliary contacts (WLAS2/WLAS4)

Auxiliary contacts can be used to provide interlocking control or remote indication of the breakers main contact position (open or closed breaker). The Normally Open (NO) contacts are open when the breakers main contacts are open. The Normally Closed (NC) contacts are closed when the breakers main contacts are open. The contacts are wired individually to the secondary disconnects for user connectivity. See breaker wiring diagram for supply terminal locations.

Characteristics table

Available Contact Configurations		2NO and 2NC or 4NO and 4NC
AC Operation	Voltage	240VAC 50/60Hz
	Continuous Current	10A
	Making Current	30A
	Breaking Current	3A
DC Operation	Voltage	24, 125, 250VDC
	Continuous Current	5A
	Making Current	1.1A @ 24 or 125VDC, .55A @250VDC
	Breaking Current	1.1A @ 24 or 125VDC, .55A @250VDC

Breaker status sensor (WLBSS)

BSS is an integrated circuit device that measures the internal breaker temperature, monitors breaker main contact position (open or closed), bell alarm status, shunt trip status, breaker ready-to-close and closing spring charged status. All status conditions and information is transmitted through the CubicleBus network as real-time data. A COM16 (Modbus), COM15 (PROFIBUS) or a BDA (breaker display adapter) accessory can be used to export the BSS CubicleBus data to external computer or monitoring equipment. See breaker wiring diagram for supply terminal locations. Included with COM15 and COM16.

Characteristics table

Operating Voltage	24VDC
Peak Inrush Current	110mA
Max. Continuous Current	40mA
Ambient Operation Temperature	-25 to 70°C