

Siemens

Fuse monitoring

SIRIUS 3RV16 11-0BD10 circuit-breakers, size S00 can be used to monitor fuses. A current path of the circuit-breaker is connected in parallel across each fuse. When a fuse fails, the current flows through the current path of the circuit-breaker connected in parallel and trips it. Normally, the magnetic release trips – however, for currents below 1.2 A, the thermal overload release trips. The circuit-breaker can be supplemented by an auxiliary contact – either located transversely or laterally. This auxiliary contact then signals that the fuse has ruptured or causes the faulted circuit to be disconnected through all phases using an appropriate switching device.

Circuit-breaker for fuse monitoring

