



The approved SIPROTEC 7SJ602 multifunction overcurrent and motor protection relay now offers you more functionality and performance options for advanced applications.

The essential upgrades of the advanced 7SJ602 include:

- Directional earth-fault detection
- Integrated, more efficient motor protection
- Interface capabilities with automation via PROFIBUS DP and MODBUS RTU

All of this in the familiar, simple-to-operate and attractively priced compact design.

Power Transmission and Distribution

SIPROTEC 7SJ602

Multifunction Overcurrent and Motor Protection Relay –
More Functionality for Advanced Applications



SIEMENS

SIPROTEC 7SJ602 – multifunctional protection

The multifunction protection relay 7SJ602 is designed to provide you more simple-to-operate functionality and utilization options. Its expanded application range for overcurrent and motor protection as well as newly integrated and extended communications capabilities allow for a high degree of flexibility for existing and modern systems architectures. Capable of being installed as a line, motor or protection system, it is a perfect choice for wind power, industrial and motor applications.

Feeder protection

In addition to the standard overcurrent-time protection, the 7SJ602 now comes available with:

- Sensitive earth-fault detection (ANSI 50Ns, 51Ns)
- Directional earth-fault detection (ANSI 67Ns)
- Displacement voltage (ANSI 64)
- Disk emulation
- Breaker failure protection (ANSI 50BF)

Motor protection

The 7SJ602 is the optimal unit for wind power, industrial and motor applications. Upgraded features include:

- Restart inhibit (ANSI 66/86)
- Undercurrent monitoring (ANSI 37)
- Temperature monitoring (ANSI 38)

Metering functions

The 7SJ602 offers now metering functions for power measurement with P, Q, S, W_P, W_Q.

Communication interfaces

Flexible interface communication capabilities are now available through:

- PROFIBUS DP
- MODBUS RTU

Feeder protection features at a glance

- Overcurrent-time protection (ANSI 50, 51, 50N, 51N)
- Sensitive earth-fault protection (ANSI 50Ns, 51Ns)
- Directional earth-fault protection (ANSI 67Ns)
- Displacement voltage (ANSI 64)
- Disk emulation
- Overload protection (ANSI 49)
- Breaker failure protection (ANSI 50BF)
- Negative-sequence protection (ANSI 46)
- Cold load pickup
- Auto-reclosure (ANSI 79)
- Trip circuit supervision (ANSI 74TC)

Motor protection facts in a nutshell

- Starting time supervision/locked rotor (ANSI 48)
- Restart inhibit (ANSI 66/86)
- Undercurrent monitoring (ANSI 37)
- Temperature monitoring (ANSI 38)

Communication

- IEC 60870-5-103
- PROFIBUS DP
- MODBUS RTU