UDC 621.318.027.5:621.314.224

JIS

JAPANESE INDUSTRIAL STANDARD

Directional Ground Relay Set for 6.6 kV Consumer

JIS C 4609–1990

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by

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Directional Ground Relay Set for 6.6 kV Consumer

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1. Scope

This Japanese Industrial Standard specifies the directional ground relay set which consists of a zero-phase-sequence current transformer, zero-phase-sequence reference input device, and a directional ground relay (this relay is referred to as "relay" hereafter), which is installed at the power receiving point of a consumer of 6.6 kV of such a system that the one-line ground-fault current is less than 30 A.

2. Definitions

For the purpose of this Standard the following principal definitions apply:

(1) zero-phase-sequence input device A device which produces the relay input which is used as the reference for finding out, from the voltage to ground, that the ground fault occurs in the load side or power supply side of the point where the zero-phase-sequence transformer is installed.

(2) operate value of voltage The value of zero-phase-sequence primary voltage at which the relay operates.

(3) operate value of current The value of zero-phase-sequence primary current at which the relay operates.

(4) set This means to determine the reference of operation by a certain device.

(5) operate This means that a relay performs a prescribed duty.

(6) reset This means that a relay returns to the function at its original position.

Applicable Standards:

JIS C 0911-Vibration Testing Procedure for Electric Machines and Equipment

JIS C 0912-Shock Testing Procedure for Electric Machines and Equipment

JIS C 3611-Insulated Wires for Cubicle Type Unit Substation for 6.6 kV Receiving

Reference Standards:

JIS C 4601-Ground Relay Set for 6600 V or 3300 V Consumer

JIS C 4602-Overcurrent Relay for 6.6 kV Receiving