New Products

High-Voltage Power Receiving and Distribution Protective Relay

QHA Series

Full model change for static protective relay! Digital system makes it possible to set detailed operation.

Features

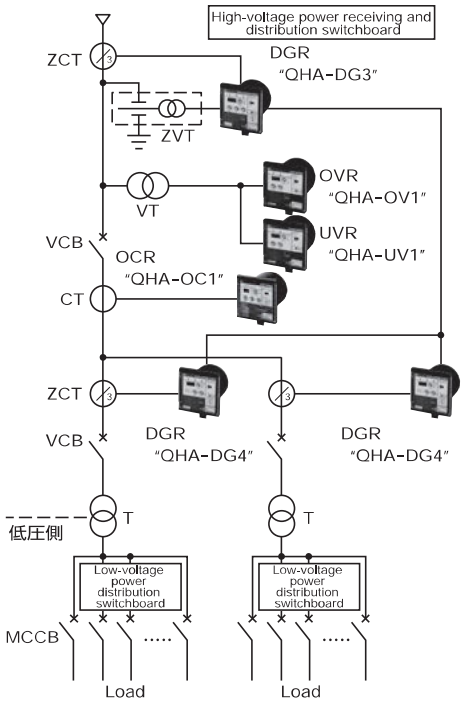
- Stable protective characteristics achieved through use of digital calculation type
- High reliability achieved through constant monitoring of internal circuit and automatic inspection of output circuit
- Possible to check the operation condition through values such as setting value, operating value, input current value and error code shown on the LED indicator of the front face panel
- Easy setting
- Possible to open and close from either right or left by switching the open/close type cover
- Mounting compatibility with “QH” series

QHA-DG3

Types

Use	Name	Symbol	Product specifications	Type
For high-voltage power receiving and distribution equipment	Overcurrent relay	OCR	Shunt trip	**QHA–OC1**
			Current trip	**QHA–OC2**
	Overvoltage relay	OVR	Shunt trip	**QHA–OV1**
	Undervoltage relay	UVR	Shunt trip	**QHA–UV1**
	Directional ground-fault relay (for power receiving)	DGR	Shunt trip	**QHA–DG3**
			Current trip	**QHA–DG5**
	Directional ground-fault relay (for branch)		Shunt trip	**QHA–DG4**
			Current trip	**QHA–DG6**
	Ground-fault relay	OCGR	Shunt trip	**QHA–GR3**
			Current trip	**QHA–GR5**

Example of solid-wire wiring diagram of high-voltage power receiving equipment



Overcurrent relays

Features

- Stable protective characteristics achieved through use of digital calculation type
- High reliability achieved through constant monitoring of internal circuit and automatic inspection of output circuit
- Possible to check the operation condition through values such as setting value, operating value, input current value and error code shown on the LED indicator of the front face panel
- Easy setting
  - Easy setting by dip switch
  - Easy setting by knob rotation operation
- Possible to open and close from either right or left by switching the open/close type cover
- Can be attached to the conventional product "QH" product category
- Protective coordination is simplified by four time-limit characteristics
- Three steps of instantaneous trip characteristics → Simple to coordinate with upper and lower protective devices

QHA-OC1

Overvoltage relays, Undervoltage relays

NEW

Features

- Stable protective characteristics achieved through use of digital calculation type
- High reliability achieved through constant monitoring of internal circuit and automatic inspection of output circuit
- Possible to check the operation condition through values such as setting value, operating value, input current value and error code shown on the LED indicator of the front face panel
- Easy setting
  - Easy setting by dip switch
  - Easy setting by knob rotation operation
- Possible to open and close from either right or left by switching the open/close type cover
- Can be attached to the conventional product "QH" Series

QHA-OV1

Directional ground-fault relays

NEW

Features

- Stable protective characteristics achieved through use of digital calculation type
- High reliability achieved through constant monitoring of internal circuit and automatic inspection of output circuit
- Possible to check the operation condition through values such as setting value, operating value, input current value and error code shown on the LED indicator of the front face panel
- Easy setting
  - Easy setting by dip switch
  - Easy setting by knob rotation operation
- Possible to open and close from either right or left by switching the open/close type cover
- Can be attached to the conventional product "QH" Series

QHA-DG3

Ground-fault relays

NEW

Features

- Stable protective characteristics by static type circuit
- Easy setting
  - Easy setting by dip switch
  - Easy setting by knob rotation operation
- Possible to open and close from either right or left by switching the open/close type cover
- Can be attached to the conventional product "QH" Series

QHA-GR3