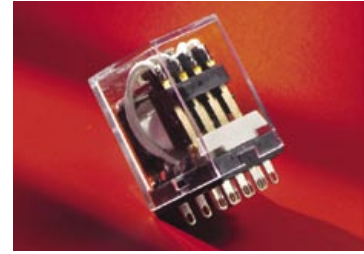


## General Purpose and Force Guided Relays

Panasonic general-purpose relays are suitable for a wide range of applications. LED indication and test buttons are available as options. Our force guided relays comply with EN50205 for safety applications and are available in standard and low-profile housing. A complete range of accessories is available, from terminal sockets for DIN-rail assembly to PC board sockets and more.



HJ miniature relay

### Features ▶

- Current rating: up to 20A
- DIN-rail terminal sockets available
- LED indication and test button
- Double contacts available
- RoHS compliant

### Benefits ▶

- Long switching life
- Low power consumption
- High contact reliability
- Fast response time
- High shock resistance

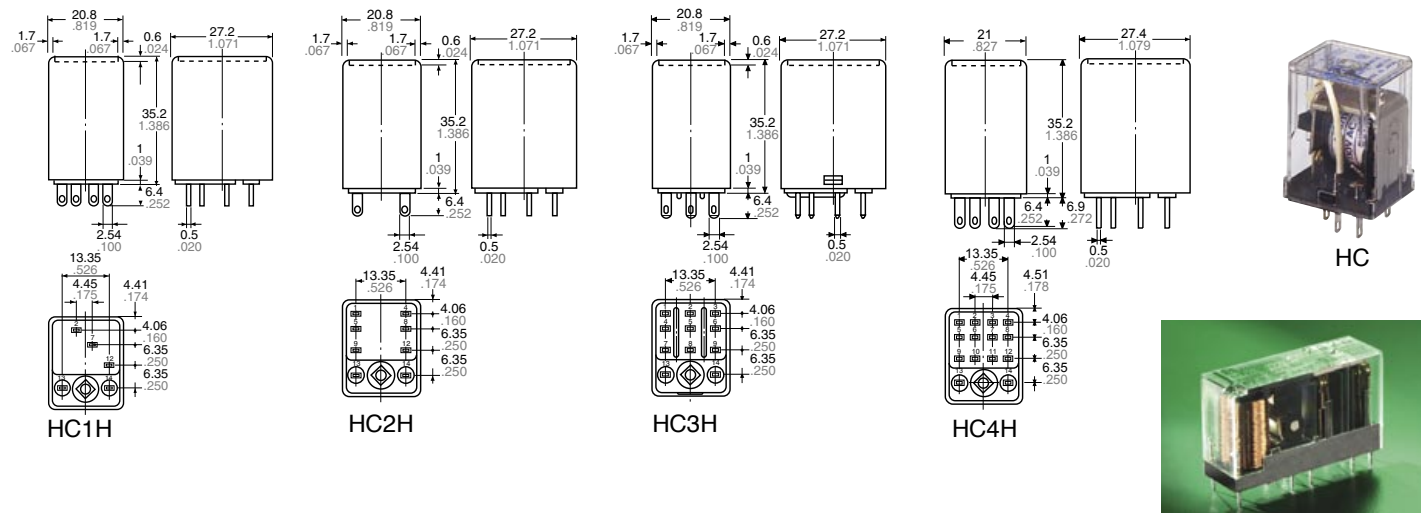
### Applications ▶

- Elevators/escalators
- Machine control
- Packaging equipment
- Molding machines
- Food-processing machinery

### Product Specifications ▶

	Series	Contact Arrangement	Current Rating (A)	Voltage Rating	Mounting Method	Characteristics
General Purpose Relays	AHN	2a	5	250 VAC, 30 VDC	Plug-in, TM	LED indication, diode surge suppression
	HJ	2c, 4c	7	250 VAC, 125 VDC	Plug-in	Test button, LED, gold-plated contacts, surge suppression (diode, CR)
	HC	1c, 2c, 3c, 4c	10	250 VAC	Plug-in, TM	Sealed versions, latching (2 coil), LED indication, bifurcated contacts
	HP	2c, 3c, 4c	10	250 VAC	Plug-in	Lamp indication
	AHK	1c, 2c	15	250 VAC, 125 VDC	Plug-in	LED indication, surge suppression (diode, CR)
	HL	1c, 2c	15	250 VAC	Plug-in, TM	LED indication
	HG	2c, 3c, 4c	20	250 VAC	Plug-in	High capacity
Force Guided Relays	SFS: 4-pole	2a2b; 3a1b	6	250 VAC, 30 VDC	PCB	EN50205 Type A, fast response time (max. 8 ms), LED indication, DIN-rail terminal socket available
	SFS: 6-pole	4a2b; 5a1b; 3a3b	6	250 VAC, 30 VDC	PCB	EN50205 Type A, fast response time (max. 8 ms), LED indication, DIN-rail terminal socket available
	SFN4D	4a2b	6	500V	PCB	EN50205 Type B, low-profile housing, double contacts, low power consumption
	SF4D	4a4b	6	400V	PCB	EN50205 Type B, double contacts
	SF3	3a1b	6	400V	PCB	EN50205 Type A
	SF2D	2a2b	6	400V	PCB	EN50205 Type A, double contacts

### Related Information ▶



SFS Force Guided Relay: 4-pole type



AQN Solid State Relay

## Solid State and High Capacity Relays

Panasonic solid state relays offer ratings up to 40A with an optional heat sink for broad industrial application, including motor and heater control. Our high capacity relays are available with either electromechanical contacts, Triac or MOSFET outputs. The RT3 relay terminal allows easy DIN-rail mounting and accepts up to four relays. Additional models offer high current ratings and enable high capacity cutoff in a compact relay.

### Features ▶

- Compact size
- Zero cross and random types available
- LED indication
- High voltage, high current capability
- RoHS compliant

### Benefits ▶

- High contact reliability
- Built-in varistor available
- Long life
- Relay terminal allows easy installation
- Hermetically sealed contact area

### Applications ▶

- Motor controls
- Heater controls
- Industrial robots
- Controller output
- Welding equipment

### Product Specifications ▶

	Series	Current Rating	Voltage Rating	Contact Arrangement	Isolation (V)	Coil Voltage	Characteristics
Solid State Relays	AQN	40A	250 VAC	NA	2500-4000	NA	10A-40A models, built-in varistor and operation LED
	AQR	40A	250 VAC	NA	1500-4000	NA	Low-profile housing, plug-in and screw terminal, built-in varistor
	AQJ	25A	264 VAC	NA	2500-3000	NA	Ultra-compact size, #110-type input and #250-type output terminals, built-in varistor
	AQK	25A	250 VAC	NA	2500-4000	NA	Slim profile with heat sink to save space on control panel, built-in varistor and operation LED
High Capacity Relays	AQZ PhotoMOS	4A	400V	NA	NA	NA	Solid state design with long life, low on resistance, 1,500V-2,500V I/O isolation, controls AC/DC loads, 6A rating available
	PA	5A	250 VAC 110 VDC	1a	1000-2000	NA	High surge voltage (4000V), wide switching capacity: 100 µA, 100 mV to 5A, 250 VAC, 30 VDC, controls AC/DC loads
	RT3 Relay Terminal for AQZ and PA	NA	NA	NA	NA	NA	Space-saving design with 4 relays installed, incorporates protection diode (AQZ) or surge protector (PA), LED display, DIN-rail and screw mounting
	AEJ	100A (100V DC)	NA	1a	NA	12, 24 VDC	NA
	AEP	300A (400V DC)	NA	1a	NA	12, 24, 36, 48, 100 VDC	Sealed available
	VC	160A (AC voltage)	NA	4a, 3a1b, 2a2b, 3a, 2a1b, 2a, 1a1b, 1a	NA	12, 24, 48, 100 VDC; 24, 48, 120, 240 VAC	NA

### Related Information ▶



RT3 Relay Terminal



### NaPiOn Passive Infrared Motion Sensors

- Very small—with a built-in amplifier
- Detects even slight motion by a person
- Available in digital and analog outputs with adjustable sensitivity
- Comes in four types, 2 colors



NaPiOn sensors are available in four types and two colors