SIEMENS

Smart. Easy. Reliable.

7RQ Plug-in Relays

Smart. Easy. Reliable.

Siemens offers a wide range of Plug-in relays to meet your industrial needs. The entire Plug-in Relays range is manufactured with precision and quality and are easy to use and install.

The plug-in relays together with sockets can be either panel mounted or DIN rail mounted. They can also be soldered on the printed circuit boards.

The 7RQ relays have the industry standard form, fit and function which can fit right into your current application.

These relays provide excellent functionality and are ideal for any application from controlling smaller loads, to those requiring high current-carrying capacity. Installation and assembly of 7RQ relays are easy, quick and all the relay models are specifically designed to fit into tight spaces.

7RQ relays are equipped with an LED indicator as a standard feature. This feature is very handy during commissioning and troubleshooting.

General Relay Information

Contact Arrangement - Throws

Throw is the number of different closed-contact positions per pole. In other words, throw describes the total number of different circuits each pole controls.
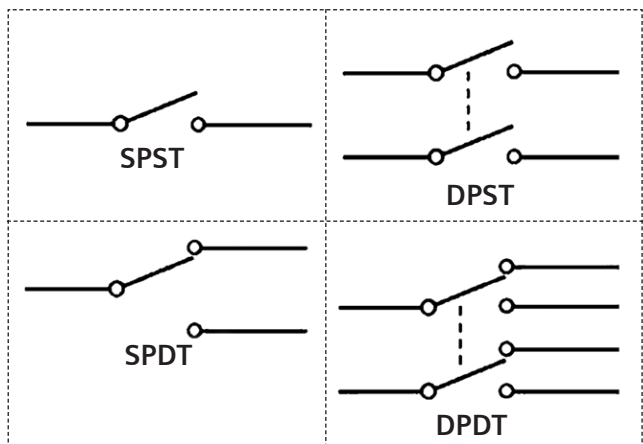
The following abbreviations are used to indicate contact configurations:

SPST   Single-Pole, Single-Throw

SPDT   Single-Pole, Double-Throw

DPST   Double-Pole, Single-Throw

DPDT   Double-Pole, Double-Throw

Contact Arrangement - Break

Break is the number of separate contacts the switch uses to open or close individual circuits. If the relay breaks the circuit
in one place, it is a single-break relay. If it breaks the circuit in two places, it is a double-break. All these diagrams are examples of single break, but double break solutions are also available as per requirements of applications.

Range: 7RQ Plug-in Relays

- 1 CO
- 2 CO
- 3 CO
- 4 CO

Features:

- LED status indicator, allows personnel to see the relay status in dark conditions.
- Mechanical indicators allow personnel to see relay status under normal light or bright conditions.
- Easy grip cover – adds to the ease of removing the relay from the socket.
- Removable I.D.(identification) label- allows for easy identification.

Benefits:

- Wide operating voltage range
- Durable and maintenance free product.
- DIN rail mounting – Quick & Easy Installation.
- RoHS compliant **RoHS Compliant**

Standards and approbations:

The 7RQ range conforms to IEC 61810-1 and IEC 60947-5-1 and has $C\epsilon$ marking

Applications:

The 7RQ ranges of relays are suitable for variety of applications.

These relays can be used for switching applications in control circuits. They are ideal for use in applications like process automation and factory automation.

Dimensional drawings and terminal connections:

Dimension in mm

1CO, 6A

2CO, 6A

2CO, 10A

3CO, 10A

8

Dimension in mm

4CO, 5A   Terminal connections

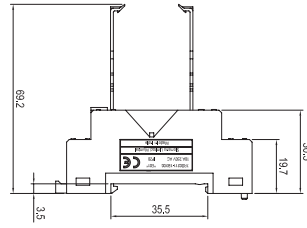| NC	NO	NC	NO	NC	NO	NC	NO
1	5	2	6	3	7	4	8
12	14	22	34	32	34	42	44
11		21		31		41	
9		10		11		12	
COM		COM		COM		COM	

13
A1(+)
COIL
A2(-)
14
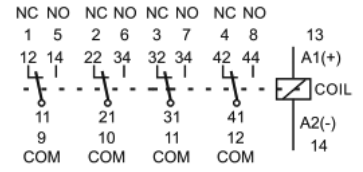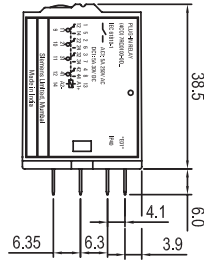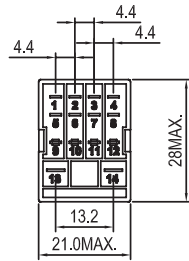
Mounting Sockets:

1CO

PCB mounting

Din mounting

NC — COM — NO — COIL — A1 — A2

2CO

PCB mounting

Din mounting

NO — COM — NC — COIL
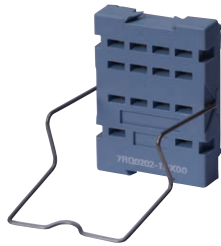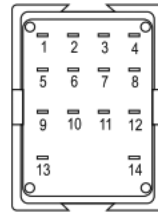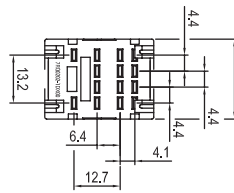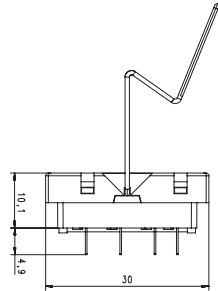
2CO
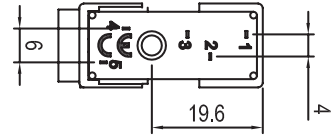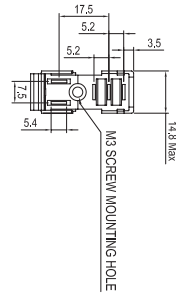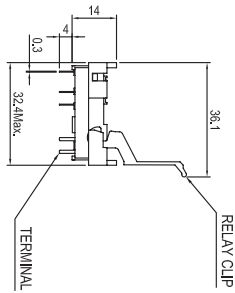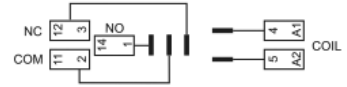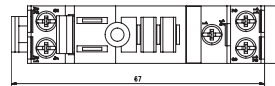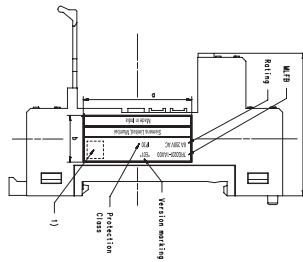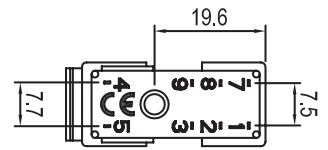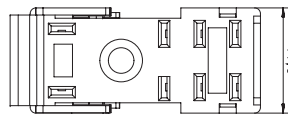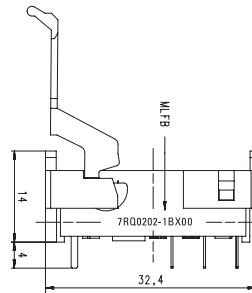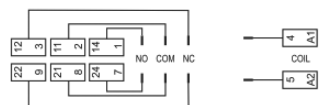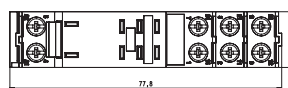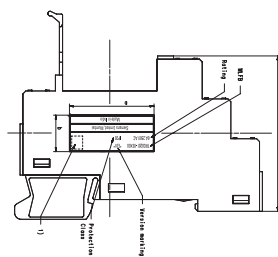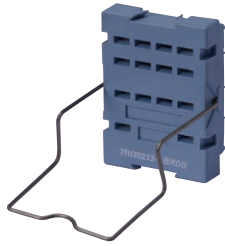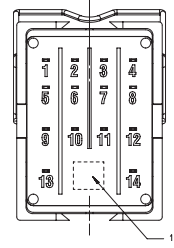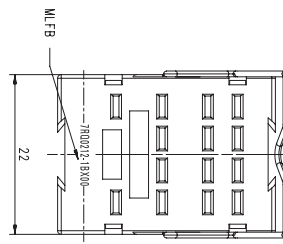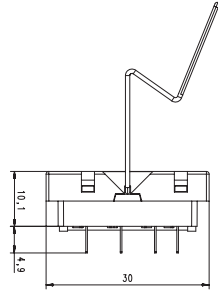
PCB mounting
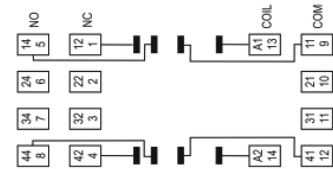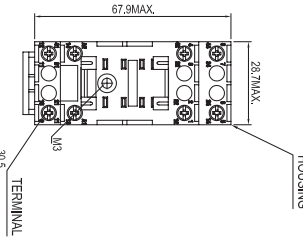
Din mounting

3CO

Din mounting

4CO

PCB mounting

Din mounting