

Selection and ordering data

Siemens offers a wide range of plug-in relays to meet your industrial needs. Basic style relays are the most economical and are equipped with a mechanical flag indicator only. Premium style relays are full featured with LED and mechanical flag indication, push to test button and typically a latching hold down door which provides a method of activating the contacts without applying power to the coil. This feature is very handy during commissioning and troubleshooting. Premium Bifurcated style relays are ideal for low minimum holding current requirements on the contacts. Typical minimum holding current for bifurcated contacts is 3mA instead of 100mA.

Relays are divided up by the following functions for selection:

- Base style
- Contact Arrangement
- Contact Rating
- Coil Voltage
- Optional Features (Basic, Premium and Premium Bifurcated)



Square Base (Narrow)

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
SPDT	20A for Basic and Premium and 3A for Bifurcated	24 VDC	3TX7110-5BC03C	3TX7110-5JC03	3TX7110-5JC03B	3TX7144-4E7	1L7	B	3L5	3L4
		24 VAC	3TX7110-5BC13C	3TX7110-5JC13	3TX7110-5JC13B	3TX7144-4E7	1L7	B	3L5	3L4
		120 VAC	3TX7110-5BF13C	3TX7110-5JF13	3TX7110-5JF13B	3TX7144-4E7	1L7	B	3L5	3L4



Square Base (Standard)

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
SPDT	20	12 VDC	3TX7109-5BB03C	3TX7109-5JB03	—	3TX7144-4E6	1L6	B	3L7	3L6
		24 VDC	3TX7109-5BC03C	3TX7109-5JC03	—	3TX7144-4E6	1L6	B	3L7	3L6
		24 VAC	3TX7109-5BC13C	3TX7109-5JC13	—	3TX7144-4E6	1L6	B	3L7	3L6
		120 VAC	3TX7109-5BF13C	3TX7109-5JF13	—	3TX7144-4E6	1L6	B	3L7	3L6
DPDT	10A for Basic and Premium and 3A for Bifurcated	24 VDC	3TX7111-3DC03C	3TX7111-3LC03	—	3TX7144-4E5	1L6	B	3L7	3L6
		24 VAC	3TX7111-3DC13C	3TX7111-3LC13	—	3TX7144-4E5	1L6	B	3L7	3L6
		120 VAC	3TX7111-3DF13C	3TX7111-3LF13	—	3TX7144-4E5	1L6	B	3L7	3L6
DPDT	15	12 VDC	3TX7114-5DB03C	3TX7114-5LB03	—	3TX7144-4E6	1L6	B	3L7	3L6
		24VDC	3TX7114-5DC03C	3TX7114-5LC03	—	3TX7144-4E6	1L6	B	3L7	3L6
		24VAC	3TX7114-5DC13C	3TX7114-5LC13	—	3TX7144-4E6	1L6	B	3L7	3L6
		110 VDC	—	3TX7114-5LF03	—	3TX7144-4E6	1L6	B	3L7	3L6
		120 VAC	3TX7114-5DF13C	3TX7114-5LF13	—	3TX7144-4E6	1L6	B	3L7	3L6
		240 VAC	3TX7114-5DH13C	3TX7114-5LH13	—	3TX7144-4E6	1L6	B	3L7	3L6
DPDT	16	12 VDC	3TX7115-5DB03C	—	—	3TX7144-4E4	1L12	A	—	—
		24VDC	3TX7115-5DC03C	3TX7115-5LC03	—	3TX7144-4E4	1L12	A	—	—
		24VAC	3TX7115-5DC13C	3TX7115-5LC13	—	3TX7144-4E4	1L12	A	—	—
		120 VAC	3TX7115-5DF13C	3TX7115-5LF13	—	3TX7144-4E4	1L12	A	—	—
DPDT Note: No Lock Down Door on Premium Style	20	12 VDC	—	3TX7119-5LB03	—	3TX7144-4E4	1L12	A	—	—
		24VDC	—	3TX7119-5LC03	—	3TX7144-4E4	1L12	A	—	—
		24VAC	—	3TX7119-5LC13	—	3TX7144-4E4	1L12	A	—	—
		120 VAC	—	3TX7119-5LF13	—	3TX7144-4E4	1L12	A	—	—
		240 VAC	—	3TX7119-5LH13	—	3TX7144-4E4	1L12	A	—	—

Option	Basic	Premium	Premium Bifurcated
Mechanical Flag	✓	✓	✓
Push To Test		✓	✓
Lock Down Door		✓	✓
LED		✓	✓

Note: See page 11/90 for socket accessories.

3TX71 plug-in relays

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Square Base (Standard)

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
3PDT	15	24VDC	3TX7116-5FC03C	3TX7116-5NC03	—	3TX7144-4E8	1L9	A	1M3	1M4
		120 VAC	3TX7116-5FF13C	3TX7116-5NF13	—	3TX7144-4E8	1L9	A	1M3	1M4
3PDT	16	12 VDC	3TX7115-5FB03C	3TX7115-5NB03	—	3TX7144-4E4	1L12	A	—	—
		24VDC	3TX7115-5FC03C	3TX7115-5NC03	—	3TX7144-4E4	1L12	A	—	—
		24VAC	3TX7115-5FC13C	3TX7115-5NC13	—	3TX7144-4E4	1L12	A	—	—
		120 VAC	3TX7115-5FF13C	3TX7115-5NF13	—	3TX7144-4E4	1L12	A	—	—
		240 VAC	3TX7115-5FH13C	3TX7115-5NH13	—	3TX7144-4E4	1L12	A	—	—
4PDT	10A for Basic and Premium and 3A for Bifurcated	24VDC	3TX7111-3HC03C	3TX7111-3PC03	3TX7111-5PC03B	3TX7144-4E5	1L6	B	3L7	3L6
		24VAC	3TX7111-3HC13C	3TX7111-3PC13	3TX7111-5PC13B	3TX7144-4E5	1L6	B	3L7	3L6
		120 VAC	3TX7111-3HF13C	3TX7111-3PF13	3TX7111-5PF13B	3TX7144-4E5	1L6	B	3L7	3L6
4PDT	15	24VDC	3TX7117-5HC03C	3TX7117-5PC03	—	3TX7144-4E9	1L10	A	1M5	1M6
		24VAC	3TX7117-5HC13C	3TX7117-5PC13	—	3TX7144-4E9	1L10	A	1M5	1M6
		120 VAC	3TX7117-5HF13C	3TX7117-5PF13	—	3TX7144-4E9	1L10	A	1M5	1M6



Specialty Relay

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
DPDT Latching	16	24 VDC	3TX7137-5DC03	—	—	3TX7144-1E4	1L12	—	—	—
		24 VAC	3TX7137-5DC13	—	—	3TX7144-1E4	1L12	—	—	—
		120 VAC	3TX7137-5DF13	—	—	3TX7144-1E4	1L12	—	—	—

Option	Basic	Premium	Premium Bifurcated
Mechanical Flag	✓	✓	✓
Push To Test		✓	✓
Lock Down Door		✓	✓
LED		✓	✓

Note: See page 11/90 for socket accessories.

Selection and ordering data



Standard Octal Base

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
DPDT	16	12 VDC	3TX7112-1DB03C	3TX7112-1LB03	—	3TX7144-4E2	1L14	A	—	—
		24VDC	3TX7112-1DC03C	3TX7112-1LC03	—	3TX7144-4E2	1L14	A	—	—
		24VAC	3TX7112-1DC13C	3TX7112-1LC13	—	3TX7144-4E2	1L14	A	—	—
		110 VDC	3TX7112-1DF03C	3TX7112-1LF03	—	3TX7144-4E2	1L14	A	—	—
		120 VAC	3TX7112-1DF13C	3TX7112-1LF13	—	3TX7144-4E2	1L14	A	—	—
3PDT	16	12 VDC	3TX7112-1FB03C	3TX7112-1NB03	—	3TX7144-4E3	1L14	A	—	—
		24VDC	3TX7112-1FC03C	3TX7112-1NC03	—	3TX7144-4E3	1L14	A	—	—
		24VAC	3TX7112-1FC13C	3TX7112-1NC13	—	3TX7144-4E3	1L14	A	—	—
		110 VDC	—	3TX7112-1NF03	—	3TX7144-4E3	1L14	A	—	—
		120 VAC	3TX7112-1FF13C	3TX7112-1NF13	—	3TX7144-4E3	1L14	A	—	—
		220/230 VAC	—	3TX7112-1NG13	—	3TX7144-4E3	1L14	A	—	—



Hermetically Sealed

Contacts	Contact Rating (A)	Coil Voltage	Basic Relay	Premium Relay	Premium Bifurcated	Uses Socket 3TX7144-	Uses Clip 3TX7144-	Socket Access Set	Panel Mount Adaptor 3TX7144-	DIN Rail Mount Adaptor 3TX7144-
DPDT	12	12 VDC	3TX7127-5HB00	—	—	3TX7144-4E2	1L12	A	—	—
		24 VDC	3TX7127-5HC00	—	—	3TX7144-4E2	1L12	A	—	—
		110 VDC	3TX7127-5HF00	—	—	3TX7144-4E2	1L12	A	—	—
		120 VAC	3TX7127-5HF10	—	—	3TX7144-4E2	1L12	A	—	—
4PDT	3	24VDC	3TX7127-3HC00	—	—	3TX7144-4E5	1L11	B	—	—
		24VAC	3TX7127-3HC10	—	—	3TX7144-4E5	1L11	B	—	—
		120 VAC	3TX7127-3HF10	—	—	3TX7144-4E5	1L11	B	—	—
4PDT	5	12 VDC	3TX7127-3HB03	—	—	3TX7144-4E5	1L11	B	—	—
		24VDC	3TX7127-3HC03	—	—	3TX7144-4E5	1L11	B	—	—
		120 VAC	3TX7127-3HF13	—	—	3TX7144-4E5	1L11	B	—	—

Option	Basic	Premium	Premium Bifurcated
Mechanical Flag	✓	✓	✓
Push To Test	—	✓	✓
Lock Down Door	—	✓	✓
LED	—	✓	✓

Note: See page 11/90 for socket accessories.