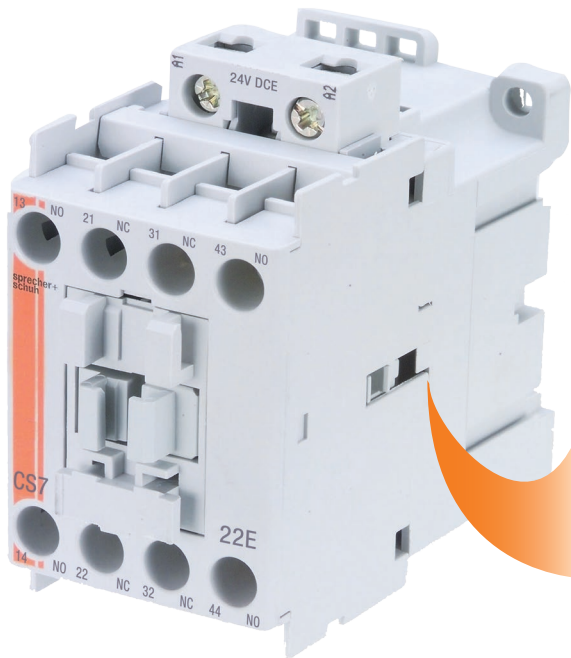
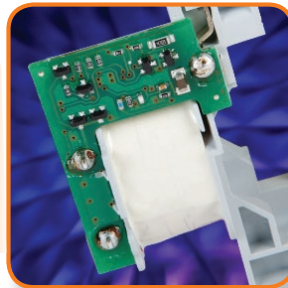


Series CS7E Industrial Control Relays with Electronic DC Coils



Typical for 12 V & 24 V DC models

Sprecher + Schuh has expanded its line of CS7 industrial control relays with a low consumption electronic coil. The electronic DC coil with low power consumption is integrated in a small, compact body and draws less than 1.7W/70mA holding power. This design results in a shorter and more energy efficient relay, as it eases wiring and uniform panel appearance.



- Electronic DC Coil with integrated (built-in) diode
- Extremely low inrush
- Coil selections 12V and 24V are same dimensionally as AC coil control relays
- Coil selections 36-250V DC have an added power module of only 24mm
- Draws less than 1.7W/70mA
- RoHS compliant
- IP2X finger protection



Low Consumption DC Coils

Sprecher+Schuh has expanded its line of CS7 industrial Control Relays with a new low consumption electronic coil. The 24V DC coil with low power consumption is integrated in a small relay body and draws less than 1.5 W/60mA holding power. The new design results in a shorter and more energy efficient relay, eases wiring and promotes a uniform panel appearance.

Direct Control from PLC

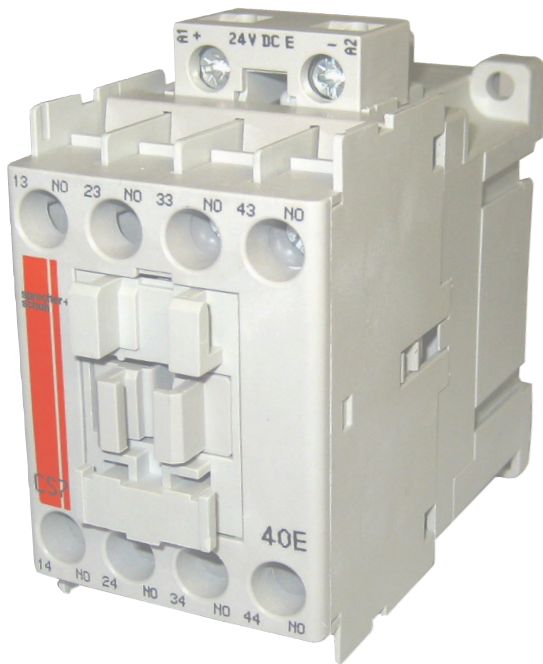
The low power consumption relay designed to control motors and other loads is especially aligned to the specific requirement of electronic control circuits. The low power consumption allows direct control through PLC's without the need for interposing relays. This means smaller power supplies which reduce panel space and cost.



CS7E Relay with Electronic DC Coils

Power Module "Backpack"

Voltages of 36V DC and greater are supplied with backpack module as standard.



DIN rail or screw mount

reversible line or load side coil terminations

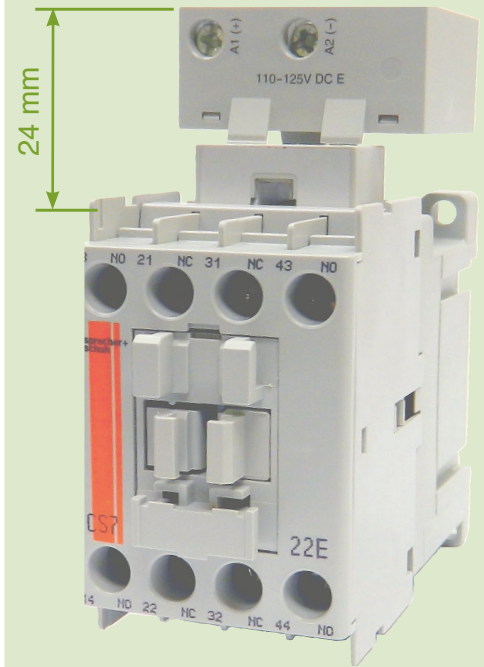
Models with contacts rated 5mA to 30A

common accessories with CA7 family

identification Label

Compact!
Just 45mm wide

• 12V & 24V (shown) are same size as AC control relays



Contact Arrangement and Numbering	Contacts		Standard Relay Catalog No.	Also Available	
	NO	NC		Bifurcated	Master
	2	2	CS7E-22E-24E	✓	✓
	3	1	CS7E-31E-24E	✓	✓
	4	0	CS7E-40E-24E	✓	✓
	0	4	CS7E-04E-24E	✓	✓

Three Types of Relays

- Standard relay for typical control applications
- Bifurcated relay for low voltage applications
- Master relay for high ampere control circuits

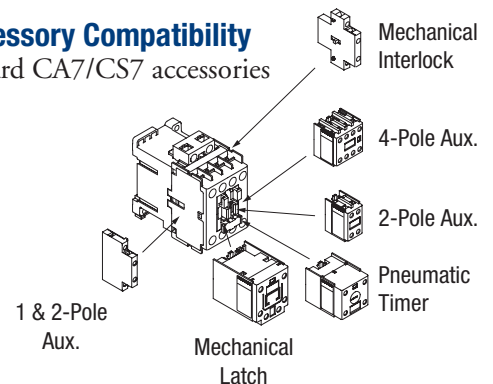
Extremely Low Inrush

Lower inrush means a smaller power supply may be used, resulting in:

- Easier wiring
- Uniform panel appearance
- Smaller panels mean less cost

Complete Accessory Compatibility

Fits most standard CA7/CS7 accessories



Coil Data - Electronic DC

Voltage Range			Coil Consumption & Operating Times ①				
Voltage Code	Nominal Voltage US (VDC)	Ratings [XUs]	Pickup (W)	Hold-in (W)	Dropout Voltage [XUs]	Pickup [ms]	Dropout [ms]
			CS7E-	CS7E-			
12E	12	0.7...1.25	10/17	1.7	0.3...0.40	25...50	27...45
24E	24	0.7...1.25	10/17	1.7			
36E	36...48	0.7...1.25	10/17	1.7...1.9			
48E	48...72	0.8...1.25	10/17	1.7...1.9	0.3...0.4	25...50	23...33
110E	110...125	0.7...1.25	12/19	2.0...2.1			
220E	220...250	0.7...1.1	14/22	2.7...3.0			

① The hold-in demand of the CS7E is very low but the pick-up demand is approximately 1 ampere at 24 VDC. When sizing (dimensioning) a power supply for applications involving parallel switched control relays, multiply the peak demand by the number of relays to be simultaneously switched and add to the hold-in demand of all other control circuit burdens, including other contactors, pilot devices, solenoids, etc.

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