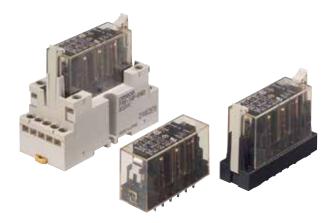
G7S-□-E

Lineup Now Includes 10 A Models

- Relays with forcibly guided contacts (EN50205 Class A, certified
- Supports the CE marking of machinery (Machinery Directive).
- Helps avoid hazardous machine status when used as part of an interlocking circuit.
- Track-mounting and Back-mounting Sockets are available.









Specifications

Ratings

Coil

Rated Voltage	Rated Current (mA)	Coil Resistance (Ω)	Must Operate Voltage (V)	Must Release Voltage (V)	Max. Voltage (V)	Power Consumption (W)
24 VDC	30	800	80% max.	10% min.	110%	Approx. 0.8

Notes:

- 1. The rated current and coil resistance are measured at a coil temperature of 23°C with tolerances of ±15%.
- 2. Performance characteristics are based on a coil temperature of 23°C.
- 3. The maximum voltage is based on an ambient operating temperature of 23°C maximum.

Contacts

		Resistive load Inductive load *			
Rated load	NO contact	10 A at 250 VAC 10 A at 30 VDC	AC-15: 5 A at 240 VAC DC-13: 2 A at 24 VDC		
Haled load	NC contact	6 A at 250 VAC 6 A at 30 VDC	AC-15: 3 A at 240 VAC DC-13: 2 A at 24 VDC		
Rated carry current	NO contact	10 A			
hated carry current	NC contact	6 A			
Maximum switching vo	aximum switching voltage		250 VAC, 30 VDC		
Maximum switching	NO contact	10 A			
current	NC contact	6 A			

^{*}In the above table, $\cos \emptyset = 0.3$ for AC-15 inductive loads and L/R = 96 ms for DC-13 inductive loads.

Certified Standards

- EN Standards, VDE Certified EN61810-1 (Electromechanical non-specified time all-ornothing relays) EN60255-23 (Contact performance) EN50205 (Relays with forcibly guided (linked) contacts)
- UL standard UL508 Industrial Control Devices
- CSA standard CSA C22.2 No. 14 (Industrial Control Equipment)

Forcibly-Guided Contacts (from EN50205)

If an NO contact becomes welded, all NC contacts will maintain a minimum distance of 0.5 mm when the coil is not energized. Likewise if an NC contact becomes welded, all NO contacts will maintain a minimum distance of 0.5 mm when the coil is energized.

Characteristics of Sockets

Model	Continuous Current	Dielectric Strength	Insulation Resistance
P7S-14□	10 A	2,000 VAC for 1 min. between poles	1,000 MΩ min. *

Use the P7SA-14F-END in the ambient temperature range of 35 to 85%

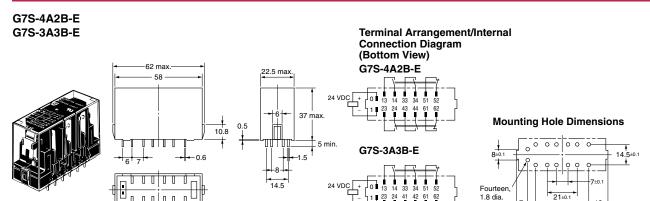
*Measurement conditions: Measurement of the same points as for the dielectric strength at 500 VDC.





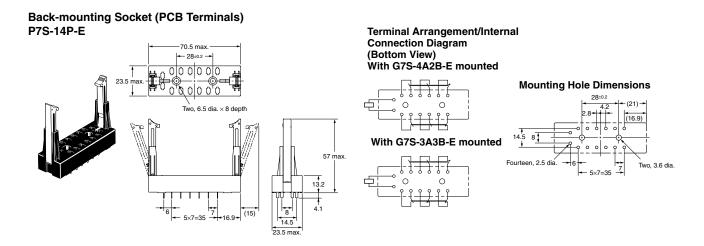
35±0.1

Dimensions (mm)



Track-mounting Socket P7S-14F-END Terminal Arrangement/Internal Connection Diagram (Top View) Add max. 33:0.1 Add max. 33:0.1 Mounting Hole Dimensions Wounting Hole Dimensions

(5)





Ordering

Model Number Legend

G7S - \square A \square B - E

NO Contact Poles

3: 3PST-NO

4: 4PST-NO

2 NC Contact Poles

2: DPST-NC

3: 3PST-NC

Relays with Forcibly Guided Contacts

Туре	Poles	Contact Configuration	Rated Voltage*	Model
Standard	6 poles	4PST-NO, DPST-NC	24 VDC	G7S-4A2B-E
		3PST-NO, 3PST-NC		G7S-3A3B-E

Sockets

Туре		Rated Voltage	Model
Track-mounting	Common for track mounting and screw mounting	24 VDC	P7S-14F-END
Back-mounting	PCB terminals		P7S-14P-E

Certified Standards

• EN standards, VDE certified

EN61810-1 (Electromechanical non-specified time all-or-nothing relays)

EN60255-23 (Contact performance)

EN50205 (Relays with forcibly guided (linked) contacts)

- UL standards: UL508 (Industrial Control Equipment)
- CSA standards: CSA C22.2 No.14 (Industrial Control Equipment)

Safety Precautions

Refer to the "Precautions for All Relays" on page B-8 and "Precautions for All Relays with Forcibly Guided Contacts" on page 536.

/ CAUTION

Do not pass currents of 6 A or more when using this product in combination with the P7S-14F/14P/14A Socket. Doing so may result in fire. Use this product in combination with the P7S-14F-END/14P-E.



Precautions for Correct Use

Wiring

- Use one of the following wires to connect to the P7S-14F-END.
 Stranded wire: 0.75 to 1.5 mm²
 Solid wire: 1.0 to 1.5 mm²
- Tighten each screw of the P7S-14F-END to a torque of 0.78 to 0.98 N⋅m.
- Wire the terminals correctly with no mistakes in coil polarity, otherwise the G7S will not operate.

Cleaning

The G7S is not of enclosed construction. Therefore, do not wash the G7S with water or detergent.



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- and (ii) Buyer has no past due amounts.

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