



c 🎗 us E352915 👜 40021923

S7

Features

- 1 pole 10A, 1 form C (1CO) or 1 form A (1NO)
- Low profile with 12.5 height
- 5kV / 8mm dielectric strength (between coil and contact)
- UL insulation system: Class F
- Accordance with IEC60335-1 Ed.5 (optional)
- UL / CUL approved

Application Examples

- Heating control
- Air conditioner, refrigerator
- Temperature control
- Domestic appliances

Ordering Inform	ation				
<u></u>	<u>001</u>	$\frac{\mathbf{A}}{\mathbf{A}}$	$\frac{24}{4}$	$\frac{\mathbf{W}}{\mathbf{F}}$	XXXX
I	Z	3	4	Э	0
1. Туре:	S7	4. C	coil voltage:	5 = 9 =	5VDC; 6 = 6VDC; 9VDC; 12 = 12VDC;
2. Contact configuration:	100 = 1NO (1 fo 001 = 1CO (1 fo	rm A) rm C)		24 =	= 24VDC; 48 = 48VDC;
3. Contact material:	A = AgNi E = AgSnO	5. P	Protection ₁₎ :	Nil = W =	= Flux tight Plastic sealed
	C = AgNi + Au	6. S	pecial:	XXX num for ا to ا	KX = Special letters or obers, e.g. 0335 stands products in accordance EC60335-1 (GWT)

Note 1): If (immerged) water cleaning is required after the relay is assembled on PCB, please contact us for suggestion about suitable parts.

Contact Data

Contact Arrangement	1 form C (1CO) or 1 form A (1NO)
Contact Material	AgNi or AgSnO
Contact Rating	10A, 250VAC
Max. Switching Voltage	440VAC / 125VDC
Max. Switching Current	10A
Min. Switching Capacity	100mA/6VDC; AgNi + Au: 50mA/6VDC (Initial)
Contact Resistance	≤ 100mΩ (by voltage drop 6VDC/1A)
Electrical endurance	10 ⁵
Mechanical endurance	10'

Coil Rating (at 23°C)

Rated Coil Voltage	Coil Resistance	Pull-in Voltage	Drop-out Voltage	Coil Power	Max. Applied Voltage
[VDC]	R[Ω] ± 10%	[VDC]	[VDC]	[mW]	[VDC]
5	113			220	
6	164			220	
9	360	Max.70%	Min.10%	220	Max.100%
12	620	(Initial)	(Initial)	230	(Initial)
18	1295			250	
24	2350]		250	

Specification

Initial Dielectric Strength	between open contacts 1000Vrms, 50/60Hz for 1 min	
	between contact and coil 5000Vrms, 50/60Hz for 1 min	
Environmental Protection	RTII (Flux tight) / RTIII (Sealed)	
Operate Time / Release Time	Max. 10ms / Max. 5ms	
Vibration Resistance (Malfunction)	NO: 1,65mm double amplitude	
10 to 55 to 10 Hz	NC: 0,8mm double amplitude (Coil de-energized)	

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Specification (continued)

Shock Resistance (Malfunction)	Energized 98,1m/s ² , De-energized 98,1m/s ²
Ambient Operating Temperature	-40 to +85°C (without icing or condensation)
Weight	8g

Engineering Data



Safety approvals

Approvals	UL File No. E352915	VDE File No. 40021923
S7	10A / 30VDC; 10A / 250VAC;	1CO : 8A /250VAC 1NO : 10A / 250VAC



Disclaimer

All technical performance data apply to the relay as such, specific conditions of the individual application are not considered. Please always check the suitability of the relay for your intended purpose. We do not assume any responsibility or niability for not complying herewith. We recommend to complete our questionnaire and to request our technical service. Any responsibility or the application of the product remains with the customer only. All specifications are subject to change without notification. All rights of NF Forward GMb ta NF Forward USA Inc. are reserved.

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