

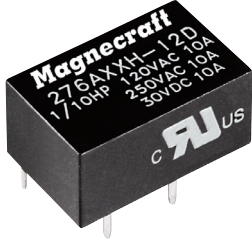
Description

Magnecraft® PCB & Reed Relays

276

SPST, 10 A

SPDT, 7 A



276

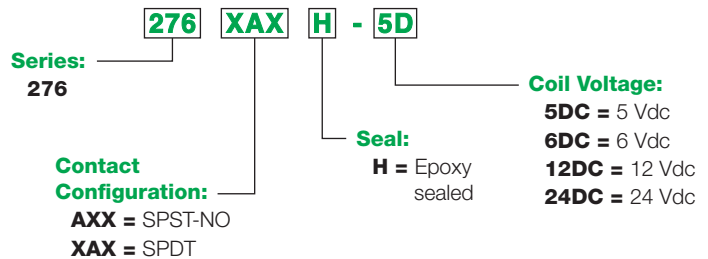
Description

The 276 series relays offer high switching capacity in a small package.

Feature	Benefit
High current switching capacity	Enables the relay to switch up to 10 A
HP rated	UL approved to switch up to 1/10 hp
Low-profile design	Uses less than 12.7 mm ² (0.5 in ²) of space on a PC board
Small footprint	Saves valuable space on a printed circuit board
Epoxy sealed	Allows the relay to be washed after assembly

Rated Output Load (A)	Contact Configuration	Input Voltage (Vdc)	Coil Resistance (Ω)	Standard Part Number
7	SPDT	5	125	276XAXH-5D
		12	720	276XAXH-12D
		24	2880	276XAXH-24D
10	SPST-NO	5	125	276AXXH-5D
		12	720	276AXXH-12D

Part Number Explanation



Specifications (UL 508)

Part Number	276XAX	276AXX
Input Characteristics		
Input Voltage Range	3–24 Vdc	
Operating Range (% of Nominal)	80%–110%	
Average Power Consumption	0.2 W	
Drop-out Voltage Threshold	10%	
Output Characteristics		
Contact Configuration	SPDT	SPST-NO
Contact Materials	Silver Alloy	
Output Current Load	7 A	10 A
Maximum Output Voltage	7 A @ 240 Vac 50/60 Hz; 7 A @ 30 Vdc; 1/10 hp @ 120 Vac	10 A @ 240 Vac 50/60 Hz; 10 A @ 30 Vdc; 1/6 hp @ 120 Vac
Minimum Switching Requirement	100 mA	
General Characteristics		
Electrical Life (Operations at rated current)	100,000 operations	
Mechanical Life (Unpowered)	5,000,000 operations	
Operating Time (Response time)	10 ms	
Dielectric Strength (Between coil and contact)	2000 Vac	
Dielectric Strength (Between contacts)	1000 Vac	
Storage Temperature Range	-40–85 °C (-40–185 °F)	
Operating Temperature Range	-40–70 °C (-40–158 °F)	
Vibration Resistance (Operational)	1.5 g-n, 10–55 Hz	
Shock Resistance	20 g-n	
Weight	5.5 g (0.19 oz)	
Agency Approvals	UR (E43641), RoHS	