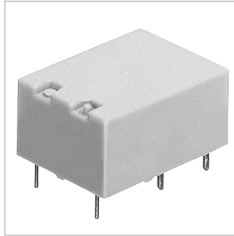




AW3024 | DK Relays



Product Number	DK2a-24V
Part Number	AW3024
Product name	DK Relays
Features	1 Form A 10 A, 1 Form A 1 Form B/2 Form A 8 A, Small polarized power relays

※Photo may vary from actual product.



Spec Detail

As of October 31, 2022

Specifications and design of the products are subject to change without notice for the product improvement.

Item	Specifications
Product Number	DK2a-24V
Part Number	AW3024
Protective construction	Sealed
Operating function	Single side stable
Terminal shape	PC board terminal
Accessories	Sockets are available.
Standard packing Carton (pieces)	50
Standard packing Case (pieces)	500
[[Coil data]]Rated coil voltage	24 V DC
[[Coil data]]Operate voltage (at20°C)	Max. 70% V of rated coil voltage (Initial)
[[Coil data]]Release voltage (at20°C)	Min. 10% V of rated coil voltage (Initial)
[[Coil data]]Rated operating current [±10%] (at 20°C)	8.3 mA
[[Coil data]]Coil resistance [±10%] (at 20°C)	2,880 Ω
[[Coil data]]Rated operating power	200 mW
[[Coil data]]Max. allowable voltage (at 20°C)	130% V of rated coil voltage
[[Specifications]]Contact arrangement	2 Form A
[[Specifications]]Contact shape	Single
[[Specifications]]Contact resistance (initial)	Max. 30 mΩ (by voltage drop 6 V DC 1 A)
[[Specifications]]Contact material	Au-flashed AgNi type
[[Specifications]]Contact rating	8 A 250 V AC, 8 A 30 V DC

(resistive load)	
[[Specifications]]Max. switching power (resistive load)	2,500 VA (AC), 300 W (DC)
[[Specifications]]Max. switching voltage	250 V AC, 125 V DC (0.2 A)
[[Specifications]]Max. switching current	8 A (AC, DC)
[[Specifications]]Min. switching load (reference value)	10 mA 5 V DC
[[Specifications]]Insulation resistance (initial)	Min. 1,000 M Ω (at 500 V DC, Measured portion is the same as the case of dielectric strength.)
[[Specifications]]Dielectric strength (initial) : Between open contacts	1,000 Vrms for 1 min (detection current: 10 mA)
[[Specifications]]Dielectric strength (Initial) : Between contact sets	4,000 Vrms for 1 min (detection current: 10 mA)
[[Specifications]]Dielectric strength (initial) : Between contact and coil	4,000 Vrms for 1 min (detection current: 10 mA)
[[Specifications]]Surge withstand voltage (initial) : Between contact and coil	10,000 V
[[Specifications]]Operate time (initial) (at 20°C)	Max. 10 ms at rated coil voltage (without bounce)
[[Specifications]]Release time (initial) (at 20°C)	Max. 8 ms at rated coil voltage (without bounce, without diode)
[[Specifications]]Shock resistance (Functional)	98 m/s ² (half-sine shock pulse: 11 ms, detection time: 10 μ s)
[[Specifications]]Shock resistance (Destructive)	980 m/s ² (half-sine shock pulse: 6 ms)
[[Specifications]]Vibration resistance (Functional)	10 to 55 Hz (at double amplitude of 1.5 mm, detection time: 10 μ s)
[[Specifications]]Vibration resistance (Destructive)	10 to 55 Hz (at double amplitude of 3 mm)
[[Specifications]]Mechanical life	Min. 50x10 ⁶ ope. (switching frequency: at 300 times/min)
[[Specifications]]Conditions	Ambient temperature: -40 to +65°C Humidity: 5 to 85% RH (Avoid icing and condensation)
[[Specifications]]Unit weight	Approx. 6 g
[[Expected electrical life]]Resistive load	[switching frequency: 20 times/min] Min. 100x10 ³ ope. 8 A 250 V AC Min. 100x10 ³ ope. 8 A 30 V DC

Accessories



Product Number	DK2a-PS
Part Number	AW3820
Product	PC bord socket for DK Relays, DY Relays
Details	1 Form A 1 Form B, 2 Form A
Product	PC board socket



Product Number	DK2a-PSL2
Part Number	AW3822
Product	PC bord socket for DK Relays, DY Relays
Details	1 Form A 1 Form B, 2 Form A
Product	PC board socket

name

name