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SERIES: PRY6 | DESCRIPTION: POWER RELAY

FEATURES

- 17 A
- epoxy sealed
- class F

MODEL

MODEL	coil voltage typ (Vdc)	coil resistance (Ω±10%)	operating voltage min (Vdc)	release voltage max (Vdc)	coil power typ (W)
PRY6-5V-360	5	70	3.75	0.25	0.36
PRY6-9V-360	9	225	6.75	0.45	0.36
PRY6-12V-360	12	400	9.00	0.60	0.36
PRY6-18V-360	18	900	13.50	0.90	0.36
PRY6-24V-360	24	1600	18.00	1.20	0.36

Notes:
1. Maximum voltage is 130% of nominal voltage.
2. Coil temperature rise 70 K max.
3. All specifications are measured at 23±5°C, RH 25~75% unless otherwise specified.

PART NUMBER KEY

PRY6 - XX - 360 - XX - X F

- Base Number
- Coil Voltage (Vdc):
  - 5V = 5
  - 9V = 9
  - 12V = 12
  - 18V = 18
  - 24V = 24
- Contact Form:
  - 1A = 1 Form A
  - 1C = 1 Form C
- Sealing:
  - “blank” = Flux Protection
  - E = Epoxy Sealed

CONTACT SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
contact form	1 Form A, 1 Form C				
contact material	Ag alloy				
contact rating	1 Form A 17 A @ 250 Vac 17 A @ 30 Vdc				
	1 Form C 17/12 A @ 250 Vac NO/NC				
contact temperature rise	at contact max rating			65	K
max switching voltage				277 30	Vac Vdc
max switching current				17	A
max switching power				4,700 476	VA W
life	1 Form A electrical: at 250 Vac/17 A, 1 second on, 9 seconds off mechanical: 0.1 seconds on, 0.1 seconds off	100,000 1,000,000			operations operations
	1 Form C electrical: at 250 Vac/17 A NO, 1 second on, 9 seconds off electrical: at 250 Vac/12 A NC, 1 second on, 9 seconds off mechanical: 0.1 seconds on, 0.1 seconds off	100,000 50,000 1,000,000			operations operations operations

GENERAL SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
insulation resistance	at 500 Vdc	100			MΩ
dielectric strength	between open contacts for 1 minute between coil and contacts for 1 minute		750 2,000		Vac Vac
coil insulation system	Class F				
operate time				10	ms
release time				5	ms
shock resistance	endurance: 3 shocks in each XYZ direction misoperation: 3 shocks in each XYZ direction		1,000 100		m/s^2 m/s^2
vibration resistance	endurance: 10~55 Hz, 1.5 mm double amplitude for 2 hours misoperation: 10~55 Hz, 1.5 mm double amplitude for 5 minutes				
operating temperature		-40		105	°C
humidity		45		85	%RH
weight			9		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	carton size: 370 x 260 x 170 mm carton QTY: 1,000 pcs per carton				

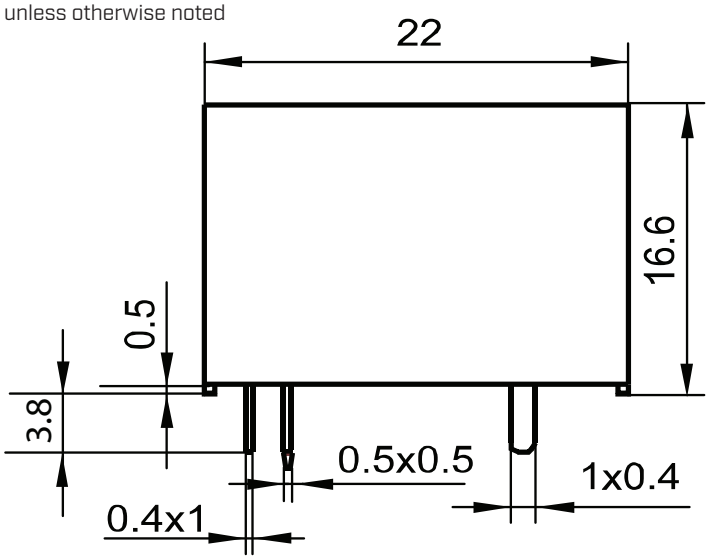
SOLDERABILITY

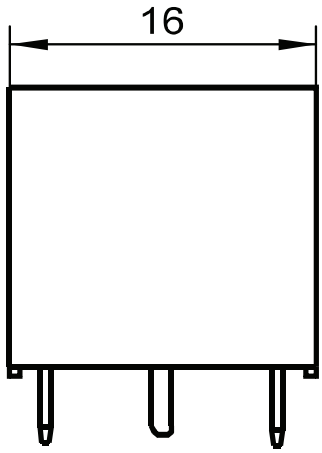
parameter	conditions/description	min	typ	max	units
wave soldering	for max 5 seconds	255	260	265	°C

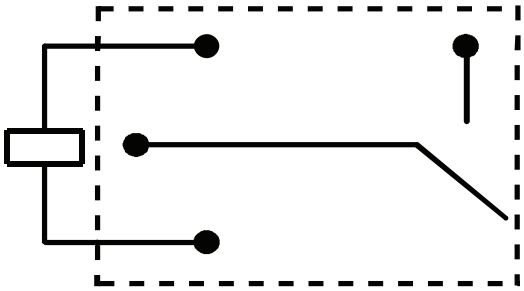
MECHANICAL DRAWING (1 FORM A)

units: mm
tolerance:
X≤1: ±0.20 mm
1<X≤5: ±0.3 mm
X>5 mm: ±0.4 mm
PCB: ±0.10 mm
unless otherwise noted

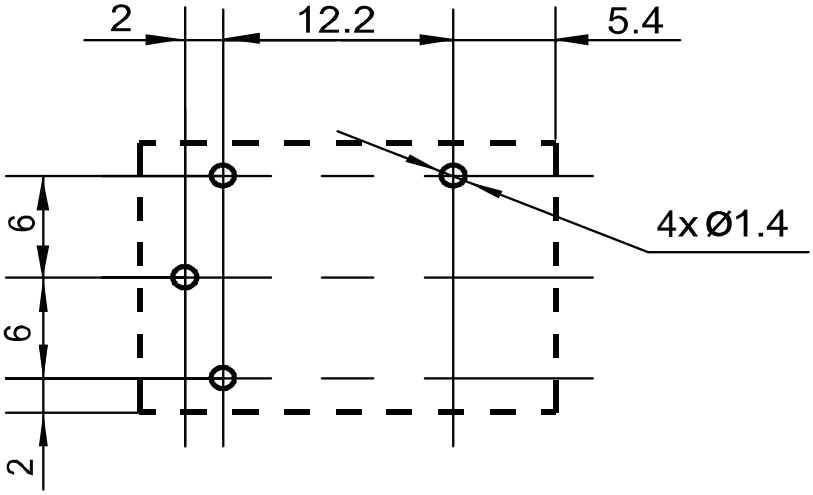
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PBT (UL94V-0)	black
terminals	copper alloy	tin
coil terminals	enameled wire	







Wiring Diagram
Bottom View

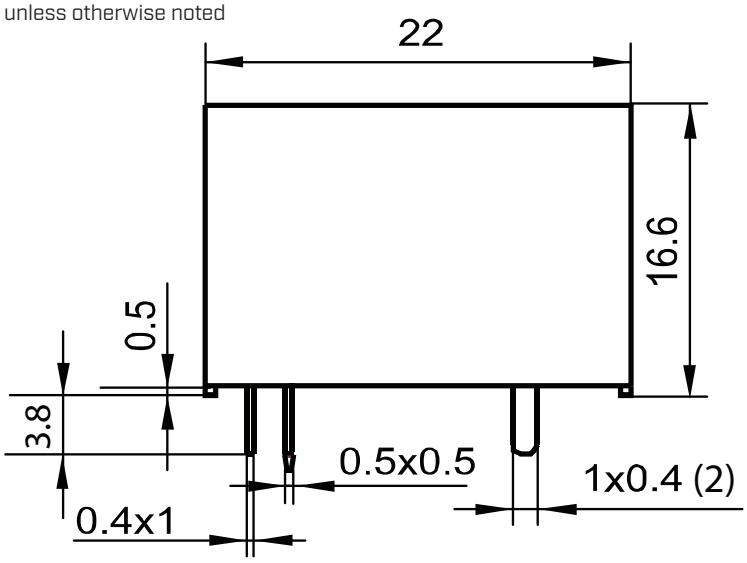


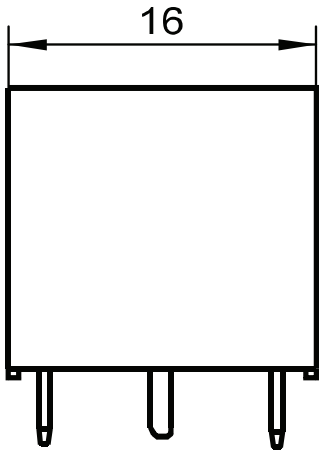
Recommended PCB Layout
Bottom View

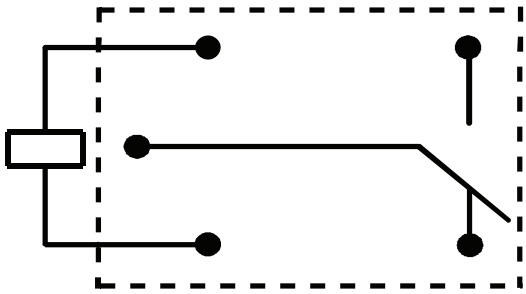
MECHANICAL DRAWING (1 FORM C)

units: mm
tolerance:
X≤1: ±0.20 mm
1<X≤5: ±0.3 mm
X>5 mm: ±0.4 mm
PCB: ±0.10 mm
unless otherwise noted

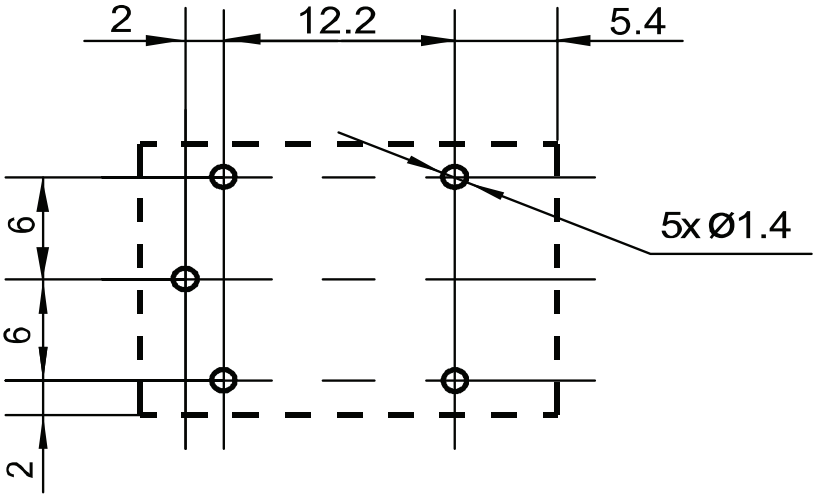
DESCRIPTION	MATERIAL	PLATING/COLOR
housing	PBT (UL94V-0)	black
terminals	copper alloy	tin
coil terminals	enameled wire	







Wiring Diagram
Bottom View



Recommended PCB Layout
Bottom View

REVISION HISTORY

rev.	description	date
1.0	initial release	10/06/2025
1.01	updated datasheet	03/06/2026

The revision history provided is for informational purposes only and is believed to be accurate.

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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