

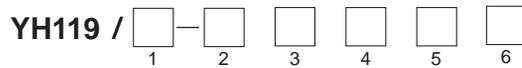
Main Features

- 30 to 45A continuous current capacity
- Available with 2 footprints
- Available with open, dust cover and sealed version
- Automotive-oriented design

Typical automotive Applications

- Flasher
- Interval wiper control
- Fuel pump control
- Ventilation motor
- Alarm system
- Safety belt warning system
- Inertia valve control
- Automatic mirror adjustment
- Sunroof control
- Hazard warning light
- Heater control
- Rear window heating
- Air conditioning
- Central door lock
- ABS System
- Belt tension adjustment
- Power window
- Seat positioning

Ordering Information



1. Coil Voltage Code

Please refer to the Coil Voltage Code in Coil Data section

2. Contact Form

- 1H:** 1 Form A
- 1D:** 1 Form B
- 1Z:** 1 Form C

3. Footprint

- 8:** US
- 11:** European

4. Version

- None:** Open
- 1:** Sealed
- 2:** Dust Cover

5. Contact Material

- None:** AgNi10
- A:** AgNi0.15
- C:** AgCdO
- S:** AgSnInO

6*. Terminal Option

- None:** 2 Movable Terminal
- D:** 3 Movable Terminal

* US Footprint, covered version only

Coil Data

Coil Voltage Code	Nominal Voltage (VDC)	Resistance (Ω)±10%	Must Operate Voltage Max. (VDC)	Allowable Voltage (VDC)	Must Release Voltage Min. (VDC)
006	6	19	3.3	8.9	0.6
012	12	90	6.8	19.3	1.2
024	24	362	13.9	38.7	2.4

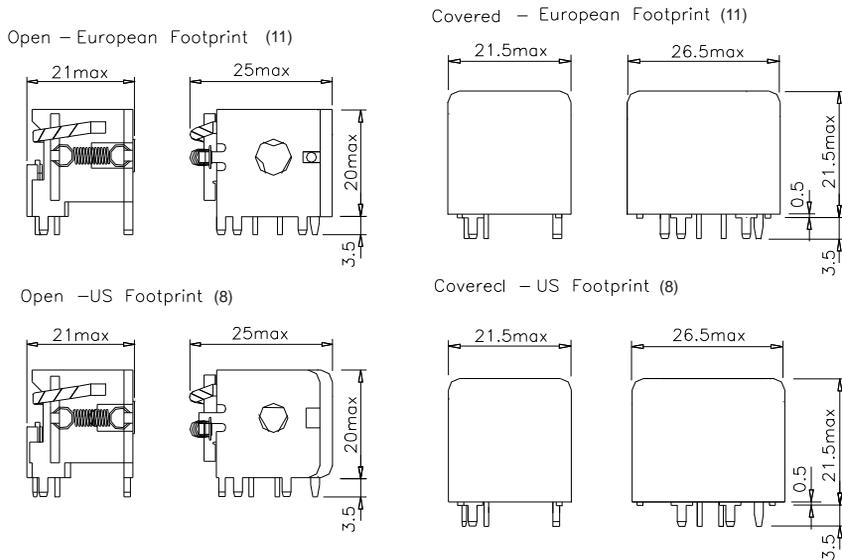
Contact Data

Form		1 Form A (1H)	1 Form B (1D)	1 Form C (1Z)	
				NO	NC
Max. Switching Current	Make	100A (S:180A)	30A	100A (S:180A)	30A
	Break	60A	30A	60A	30A
Material		AgNi0.15; AgSnInO			
Initial Contact Resistance		100mΩ, max. at 0.1A, 6VDC			
Max. Continuous Current		45A	30A	45A	30A
Max. Switching Voltage		Current dependent (See Curve)			
Min. Load		0.1A, 12VDC (AgNi0.15) 0.5A, 12VDC (AgSnInO)			
Service Life	Mechanical	10 ⁷ ops.			
	Electrical	2 x 10 ⁵ ops. (See Note 4)			

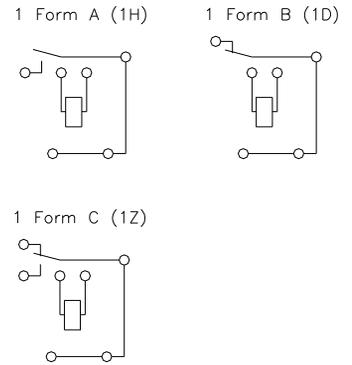
Characteristics

Operate Time	5ms. typical
Release Time	3ms. typical
Insulation Resistance	100MΩ, at 500VDC, 50%RH
Dielectric Strength	500Vrms, 1 Min.
Shock Resistance	20g, 11ms.
Vibration Resistance	Functional: NO: 20g, NC:10g, 10-200 Hz
Drop Resistance	1M height drop on concrete in final enclosure
Power Consumption	1.5W approx.
Ambient Temperature	Operating: -40°C to 125°C; Storage: -40°C to 155°C
Weight	Open: 18g; Covered: 23g approx.

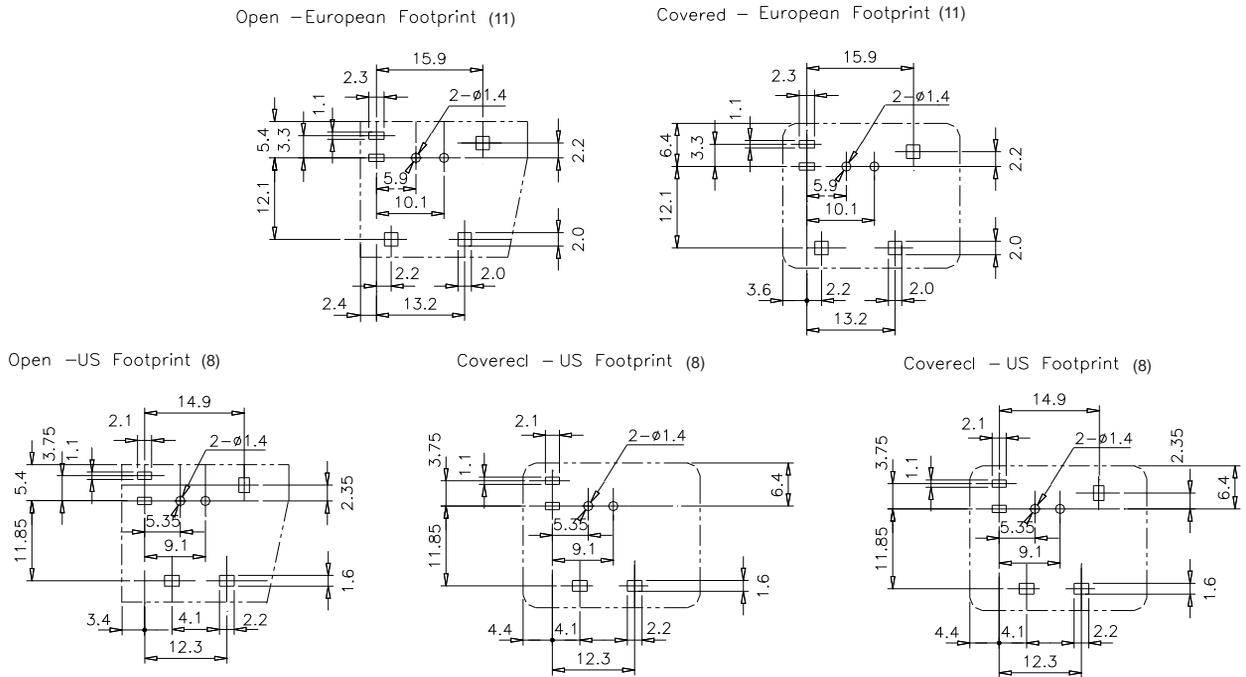
Overall Dimensions (mm)



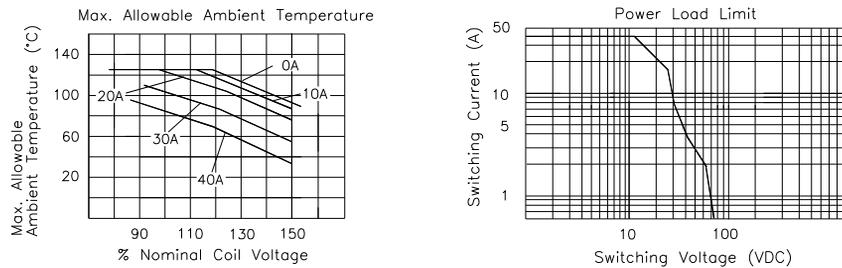
Wiring Diagrams (Bottom View)



Mounting Holes (Bottom View) (mm)



Reference Curves



- Note: 1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
 2. Maximum make current refers to inrush current of lamp load.
 3. At ambient temperature of 85°C, maximum allowable voltage should be reduced to 72%.
 4. Electrical life obtained at resistive or inductive load at 40A, 15VDC with suitable arc-suppression circuit attached with operating frequency of 1 ops/sec.