

SPECIFICATIONS

ST-01-100

MAIN FEATURES

- 60A/80A continuous current capacity
- Automotive-oriented design
- Fully Standardized quick connect size and layout
- Plastic cover for rough environment protection

TYPICAL APPLICATIONS

- Head lights
- Fog lamp
- Signal horn
- Starter relay
- Radiator cooling fan
- Power window
- ABC system
- Start bypass relay

ORDERING INFORMATION

ST-01 100 A 01 / 12 - 80

Types

100: Molded Bracket	100A: PCB Without Bracket	102: Metal Bracket
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Metal Bracket Types

Nil: None	A: Metal Bracket	B: Bent Metal Bracket
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Components

Nil: None	01: Resister	02: Diode	03: Diode Reverse
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Coil Voltage

12: 12V	24: 24V
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Rating

60: 60A	80: 80A
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CONTACT DATA

Form	1 Form A, 4 Pins	
Max. Switching Current	Make	240A
	Break	80A
Material	AgSnOInO	
Max Continuous Current	80A	
Min. Load	0.1A 12VDC	
Service Life	Mechanical	10 million ops
	Electrical	100,000 ops

CHARACTERISTIC

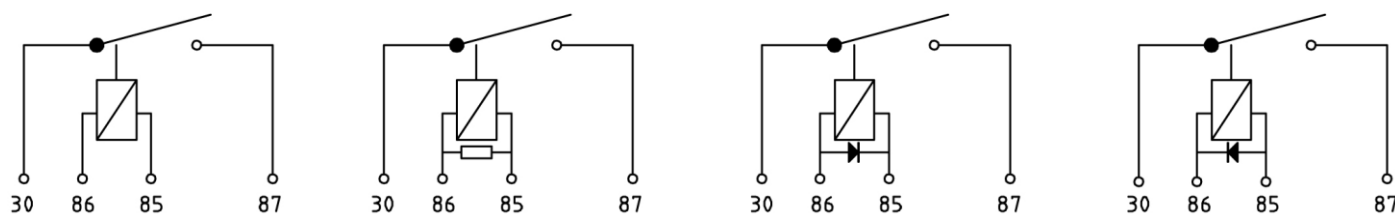
Ambient Temperature	-40~125°C operating; -40~125°C storage
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Vibration Resistance	10-40 Hz: DA 1.27 mm; 40-70 Hz: 5 g; 70-100 Hz: DA 0.5 mm; 100-500 Hz: 10 g
Shock Resistance	20 g; 11 ms
Dielectric Strength	500 Vrms; 1 min
Drop Resistance	1 M height drop on concrete
Power Consumption	1.6W, unsuppressed; 1.81W, with resistor
Insulation Resistance	50M Ω (500 VDC)
Operating Time	7 ms typical
Release Time	2 ms typical
Weight	35 g, approx

COIL DATA

Nominal Voltage (VDC)	Resistance $\Omega \pm 10\%$	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Allowable Voltage (VDC)
12	90	7.2	1.2	20.5
14	330	14.3	2.4	39.1

SCHEMATIC (BOTTOM VIEW)



DIMENSIONS PCB

