

SCB(M) SERIES

ORDER CODE

SCB-1-M-12-40-D

D: DIODE
 D1: DIODE INVERSE 680Ω(DC12V)
 R1: RESISTOR 2700Ω(DC24V)
 R2: RESISTOR 820Ω(DC12V)
 3200Ω(DC24V)

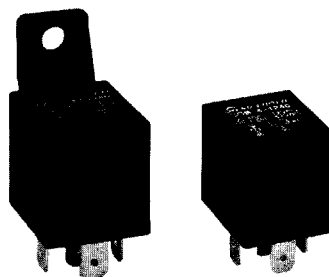
40: 40A
 70: 70A

COIL VOLTAGE 12: DC12V
 24: DC24V

□: QUICK CONNECT TERMINALS
 M: QUICK CONNECT TERMINALS (BRACKET COVER)
 MM: QUICK CONNECT TERMINALS (STEEL BRACKET)

1: 1c
 2: 1a
 3: 1b
 4: 2au

TYPE



Main Features:

- TUV safety approval.
- Optional mounting bracket with plastic & steel.
- Contact rating 40 amps, 70amps.
- Epoxy seal type.

COIL RATING (at 20°C)

40A	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
	DC12V	103Ω	1.4W	117mA	65% MAX.	10% MIN.	130%
	DC24V	320Ω	1.8W	75mA			

70A	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
	DC12V	72Ω	2.0W	167mA	65% MAX.	10% MIN.	130%
	DC24V	288Ω		83mA			

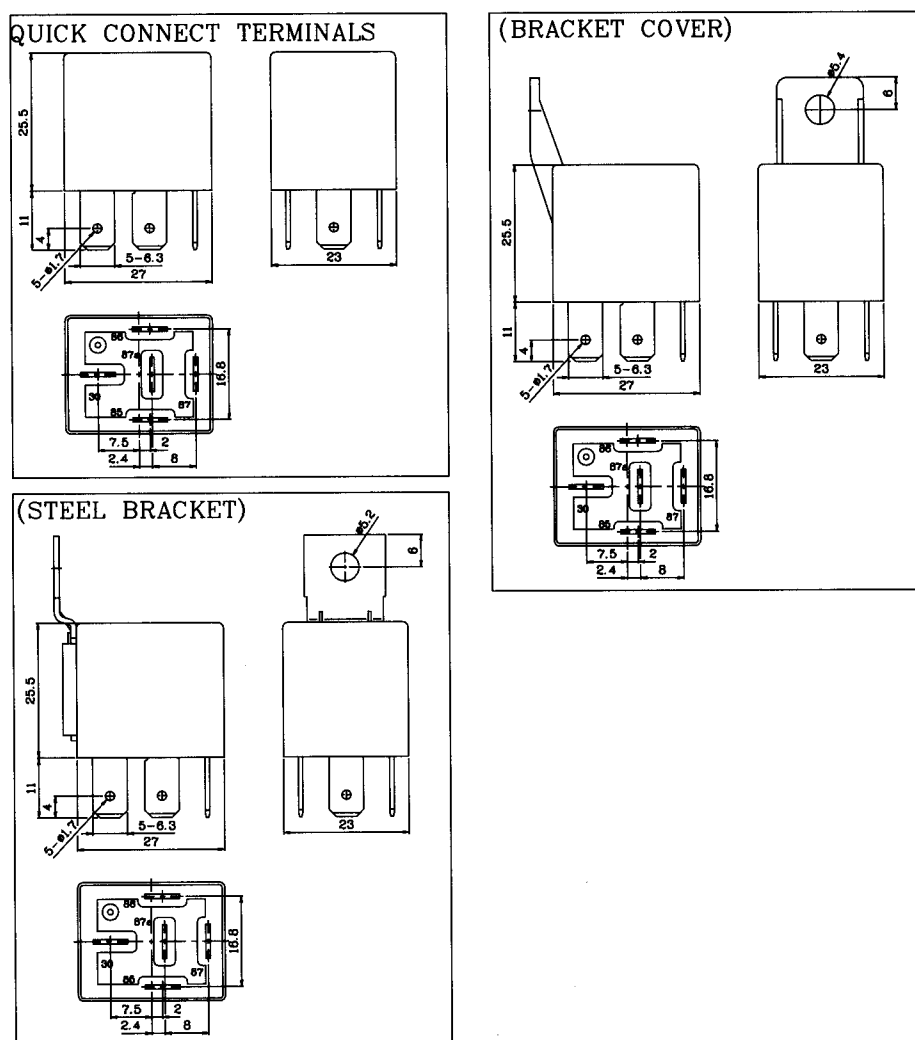
PERFORMANCE (at initial value)

Item	Type	40A	70A
Contact Resistance		50mΩ Max. (initial value)	
Operate Time		15msec Max.	
Release Time		15msec Max.	
Dielectric Strength between coil & contact		AC1000V (1min)	
between contact		AC500V (1min)	
Insulation Resistance		50MΩ Min.(DC500V)	
Operating Ambient Temperature		-40°C ~ +75°C	
Humidity		35 to 85% RH	
Vibration Resistance		10G (10~55Hz)(Dual amplitude:2mm)	
Shock Resistance		10G	
Life Expectancy Mechanically		1,000,000 ops. Min.(1800 ops./h)	
Electrically		100,000 ops. Min.(1200 ops./h)	
Weight		33g(about)	

CONTACT RATING

Item \ Type	40A	70A
Rated Carrying Current	DC12V 40A	DC14V 70A
Max. Allowable Current	50A	80A
Max. Allowable Voltage	32V	32V
Max. Current (continual)	40A	70A
Contact Material	Ag alloy	

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)

