

**DCS Input/Output Relay Card Series**

**OUTPUT RELAY CARD**

MODEL **38BOS6**

**MODEL & SUFFIX CODE SELECTION**

MODEL \_\_\_\_\_ **38BOS6**  -R  
 TEST SWITCH \_\_\_\_\_  
**0** : Without  
**1** : With (AUTO at the center)  
 POWER INPUT \_\_\_\_\_  
**R** : 24V DC

**ORDERING INFORMATION**

Specify code number. (e.g. 38BOS6-1-R)

**RELATED PRODUCTS**

•Standard Rack (model: 38B□)

**GENERAL SPECIFICATIONS**

**Construction:** rack mounted; terminal access via screw terminals at the front and via connector at the rear; terminal cover provided

**Connection**

**Input:** connector  
**Output:** M3.5 screw terminals (nickel-plated steel; torque 0.8 N·m)  
**Power input:** supplied from connector  
**Isolation:** input or power to output

**INPUT & OUTPUT**

■**INPUT:** status output from a controller  
 24V DC @30mA min.  
 ON resistance  $\leq 200\Omega$   
 OFF resistance  $\geq 100k\Omega$

■**OUTPUT:** dry contact  
**Rating:** 250V AC @3A ( $\cos\phi=1$ )  
 30V DC @3A (resistive load)  
**Minimum switching load:** 5V DC @10mA  
**Relay life**  
**Mechanical:**  $5 \times 10^7$  cycles  
**Electrical:**  $10^5$  cycles  
**Relay protection:** external protection recommended when driving an inductive load (coil etc.)

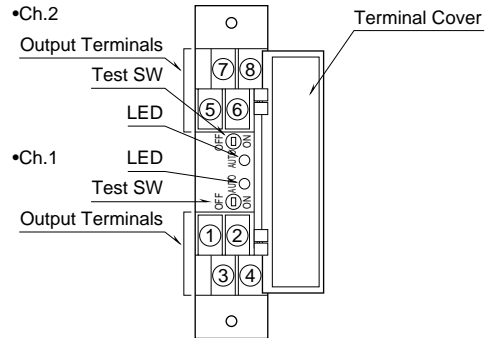
**INSTALLATION**

**Power input:** 24V DC  $\pm 10\%$ , approx. 60mA (ripple 10% p-p max.)  
**Operating temperature:** -5 to +55°C (23 to 131°F)  
**Operating humidity:** 30 to 90% RH (non-condensing)  
**Mounting:** Standard Rack 38B□  
**Dimensions:** W24×H110×D110 mm (0.94"×4.33"×4.33")  
**Weight:** 150 g (0.33 lbs)

**PERFORMANCE**

**Insulation resistance:**  $\geq 100M\Omega$  with 500V DC  
**Dielectric strength:** 1500V AC @1 minute (input or power to output to gnd)

**FRONT VIEW**



## SCHEMATIC CIRCUITRY &amp; CONNECTION DIAGRAM

