

## DCS Input/Output Relay Card Series

### INPUT RELAY CARD

MODEL **38BIS8**

#### MODEL & SUFFIX CODE SELECTION

MODEL \_\_\_\_\_ **38BIS8**  **-R**  
TEST SWITCH \_\_\_\_\_  
**0** : Without  
**1** : With (AUTO at the center)  
POWER INPUT \_\_\_\_\_  
**R** : 24V DC

#### ORDERING INFORMATION

Specify code number. (e.g. 38BIS8-1-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 & re-transmitted output:** M3.5 screw terminals (nickel-plated steel; torque 0.8 N·m)

**Output:** connector

**Power input:** supplied from connector

**Isolation:** input or power to output to re-transmitted output

#### INPUT & OUTPUT

■**INPUT:** dry contact or open collector  
24V DC @40mA min.  
ON resistance  $\leq 200\Omega$   
OFF resistance  $\geq 100k\Omega$

■**OUTPUT:** dry contact

#### Rating

**Output:** 30V DC @0.3A (resistive load)

**Re-transmitted output:** 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. 70mA  
(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)

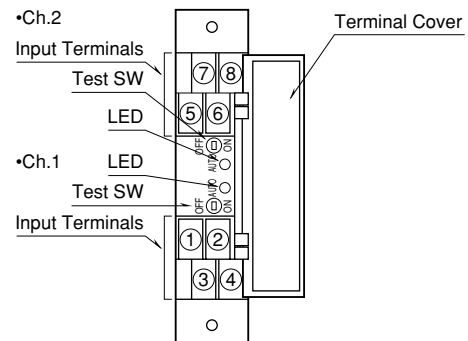
#### PERFORMANCE

**Insulation resistance:**  $\geq 100M\Omega$  with 500V DC

**Dielectric strength:** 1500V AC @1 minute

(input or power to output to re-transmitted output to gnd)

#### FRONT VIEW



## SCHEMATIC CIRCUITRY &amp; CONNECTION DIAGRAM

