

DCS Input/Output Relay Card Series

ONE-SHOT OUTPUT RELAY CARD

MODEL **38BSH2**

MODEL & SUFFIX CODE SELECTION

MODEL _____ **38BSH2-R**
POWER INPUT _____
R : 24V DC

ORDERING INFORMATION

Specify code number. (e.g. 38BSH2-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 each output

LED: light turns on with the coil energized

INPUT & OUTPUT

■**INPUT:** DCS status output
Rating: 24V DC @3mA (approx.)
≤200Ω at ON; ≥100kΩ at OFF
Minimum input interval: 10 sec.

■**OUTPUT:** relay contact
Rating: 250V AC @3A (resistive load)
30V DC @3A (resistive load)
Minimum switching load: 5V DC @10mA
One-shot pulse width: 0.2 – 2 sec. (fixed)
Relay life

Mechanical: 5×10^7 cycles

Electrical: 10^6 cycles

External protection: recommended to protect the contact and to eliminate noise when driving an inductive load (coils, etc.)

INSTALLATION

Power input: 24V DC ±10%, approx. 50mA
(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: ≥100MΩ with 500V DC

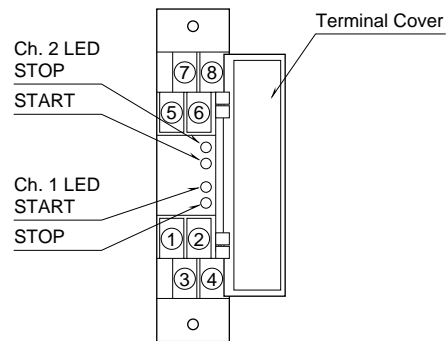
Dielectric strength: 1500V AC @1 minute

(input or power to output to ground)

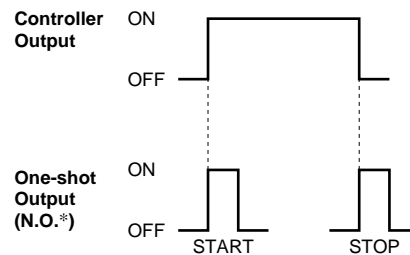
1000V AC @1 minute (between outputs;

with output open)

FRONT VIEW



RELAY OPERATIONS



*N.O. or N.C. selectable with jumpers.
(J1, J2, J101 and J102)

1. With the controller output (DCS status signal) turned OFF, the STOP one-shot is output when the power input is turned on.
2. With the controller output (DCS status signal) turned ON, the START one-shot is output when the power input is turned on.
3. LEDs indicate the output relay operations.

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

