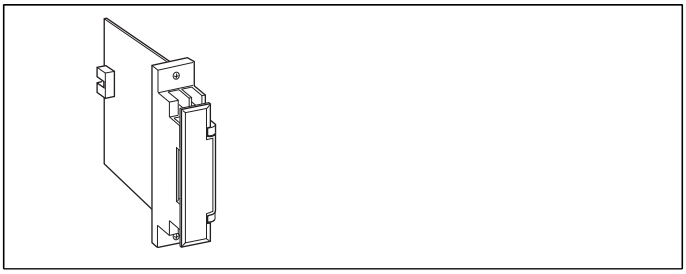
DCS Input/Output Relay Card Series

OUTPUT RELAY CARD



MODEL: 38BOS6–[1]–R

ORDERING INFORMATION

• Code number: 38BOS6-[1]-R
Specify a code from below for [1].
(e.g. 38BOS6-1-R)

[1] TEST SWITCH

0: None
1: With (AUTO at the center)

POWER INPUT

DC Power
R: 24 V DC
(Operational voltage range 24 V ±10 %, ripple 10 %p-p max.)

RELATED PRODUCTS

• Standard Rack (model: 38BXx)

GENERAL SPECIFICATIONS

Construction: Rack-mounted; terminal access via screw terminals on the front and connector on the rear; terminal cover provided
Connection
Input: Connector
Output: M3.5 screw terminals (torque 0.8 N·m)
Power input: Supplied from connector
Screw terminal: Nickel-plated steel
Isolation: Input or power to output
Test switch
AUTO: Relay energized at ON input
OFF: Forced relay de-energized
ON: Forced relay energized

INPUT SPECIFICATIONS

Input: Status output from a controller
24 V DC @ 30 mA min.
ON resistance ≤ 200 Ω
OFF resistance ≥ 100 kΩ

OUTPUT SPECIFICATIONS

Output: Dry contact
Rating: 250 V AC @ 3 A (cos ø = 1)
30 V DC @ 3 A (resistive load)
Minimum switching load: 5 V DC @ 10 mA
Relay life
Mechanical: 5×10^7 cycles
Electrical: 10^5 cycles
Relay protection: External protection recommended when driving an inductive load (coil etc.)

INSTALLATION

Current consumption: Approx. 60 mA
Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 30 to 90 %RH (non-condensing)
Mounting: Standard Rack 38BXx
Weight: 150 g (0.33 lb)

PERFORMANCE

Insulation resistance: ≥ 100 MΩ with 500 V DC
Dielectric strength: 1500 V AC @ 1 minute
(input or power to output to ground)

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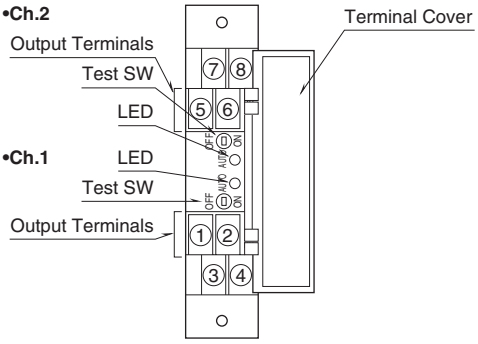
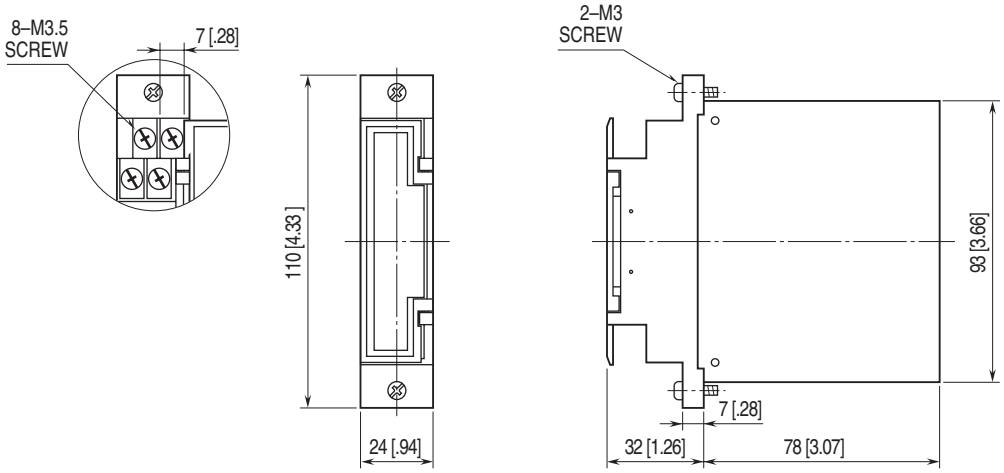
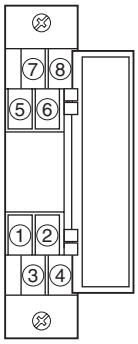
EXTERNAL VIEW



EXTERNAL DIMENSIONS unit: mm [inch]



TERMINAL ASSIGNMENTS



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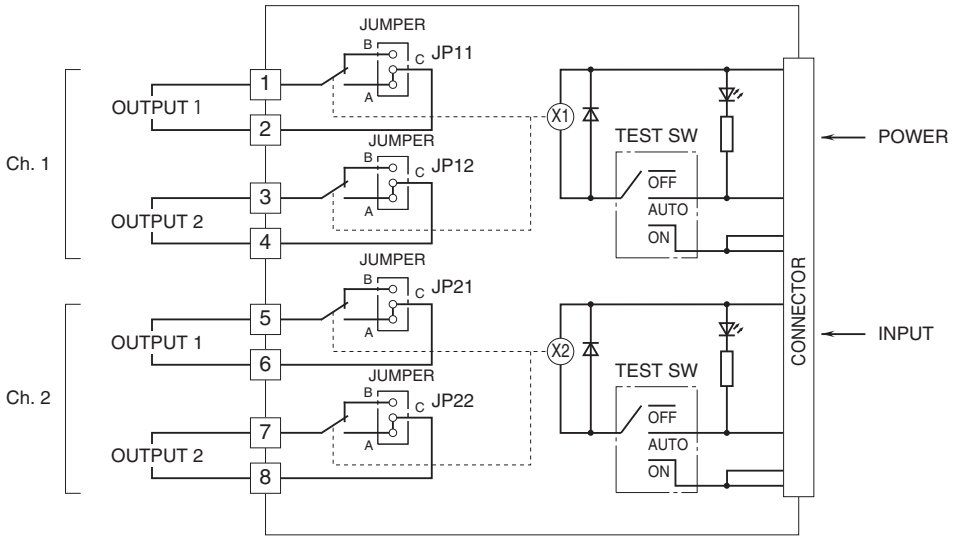
SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



The jumpers are factory set to the position A – C.

⚠ Specifications are subject to change without notice.

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