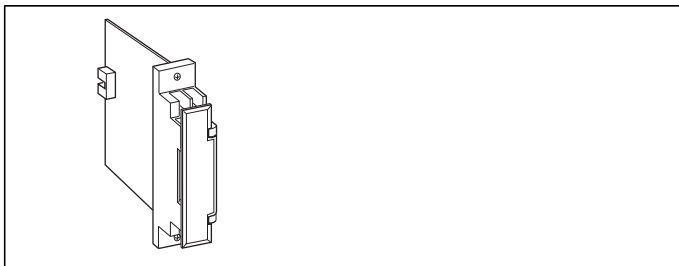


DCS Input/Output Relay Card Series

INPUT RELAY CARD



MODEL: 38BIS8-[1]-R

ORDERING INFORMATION

- Code number: 38BIS8-[1]-R
Specify a code from below for [1].
(e.g. 38BIS8-1-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 $\pm$ 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 & re-transmitted output: M3.5 screw terminals
(torque 0.8 N·m)

Output: Connector

Power input: Supplied from connector

Screw terminal: Nickel-plated steel

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

Test switch

AUTO: Relay energized at ON input

OFF: Forced relay de-energized

ON: Forced relay energized

INPUT SPECIFICATIONS

Input: Dry contact or open collector

24 V DC @ 40 mA min.

ON resistance $\leq$ 200 Ω

OFF resistance $\geq$ 100 k Ω

OUTPUT SPECIFICATIONS

Output: Dry contact

Rating

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

Re-transmitted output: 250 V AC @ 3 A ($\cos \phi = 1$)

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. 70 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)

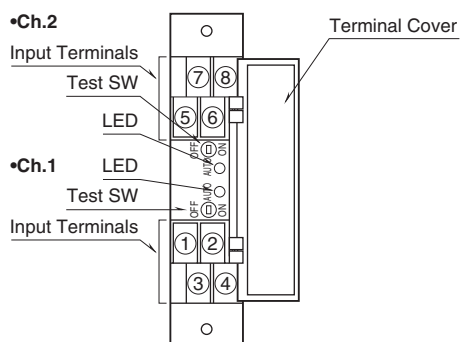
PERFORMANCE

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

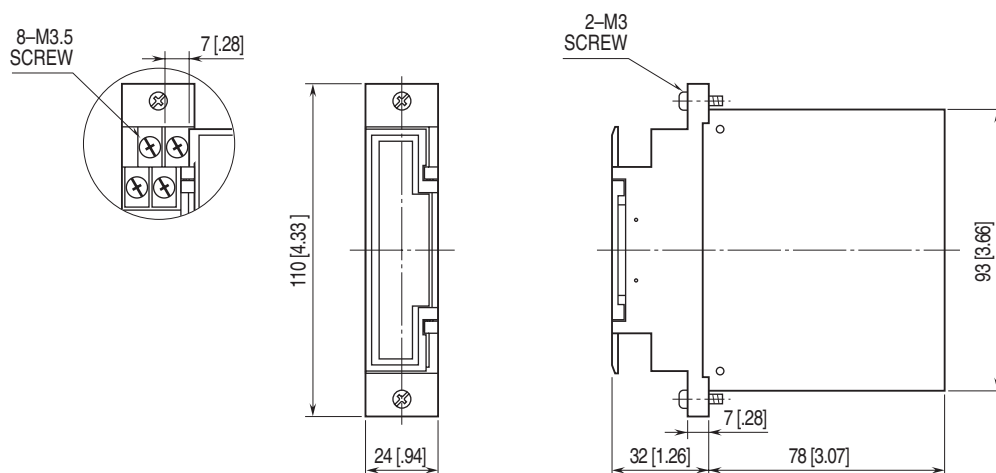
Dielectric strength: 1500 V AC @ 1 minute

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

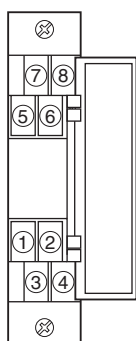
EXTERNAL VIEW



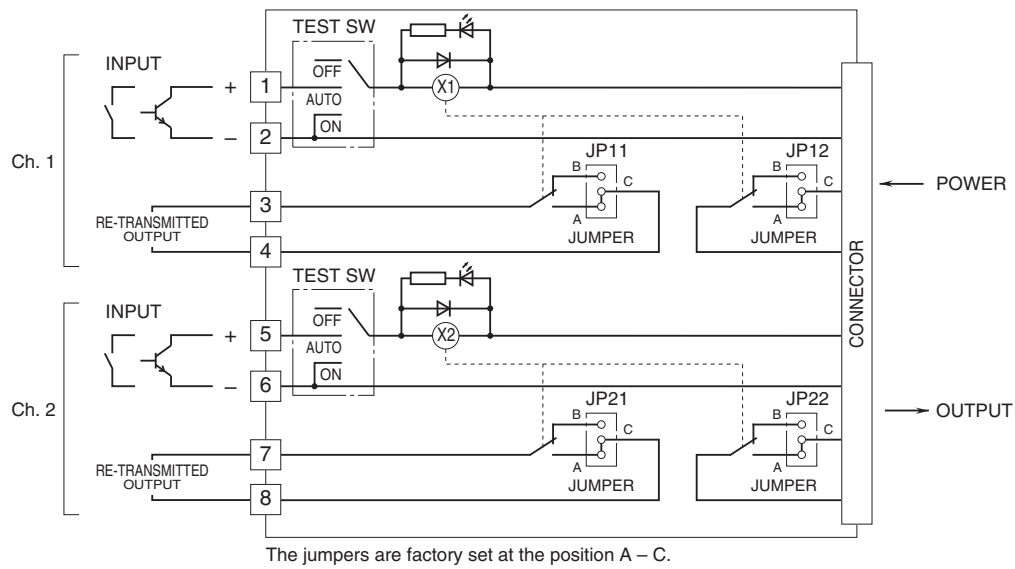
EXTERNAL DIMENSIONS unit: mm [inch]



TERMINAL ASSIGNMENTS



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications are subject to change without notice.