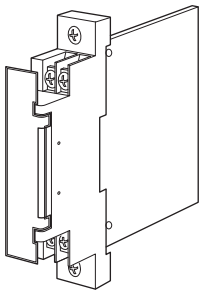
DCS Input/Output Relay Card Series

ONE-SHOT OUTPUT RELAY CARD

(with test switch)

Functions & Features

- Accepting status signals from a DCS
- With test switch
- Status LED for input
- Attaching jumper enables to switch N.O. or N.C. contact of output relay and common or separation of start and stop



CE

MODEL: 38BSH3-[1]-R

ORDERING INFORMATION

- Code number: 38BSH3-[1]-R

Specify a code from below for [1].
(e.g. 38BSH3-0-R)

[1] TEST SWITCH

0: None
1: With

POWER INPUT

DC Power

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

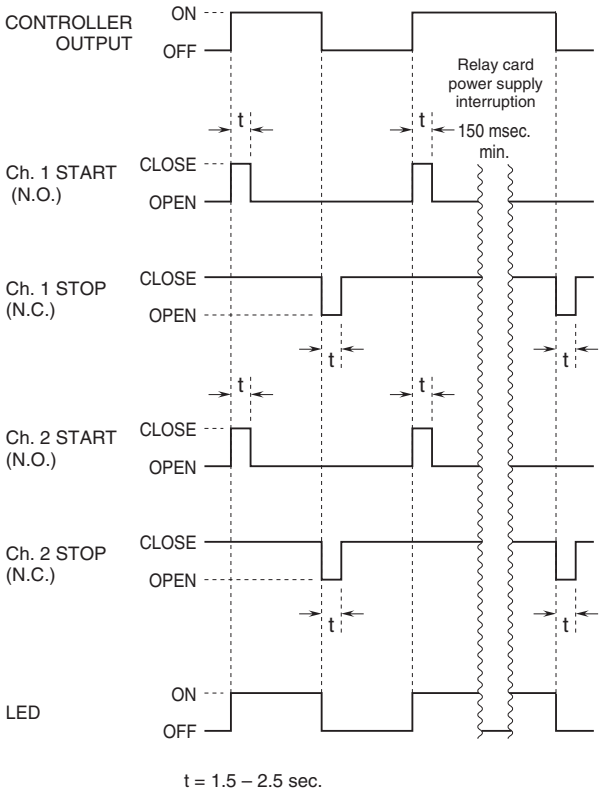
RELATED PRODUCTS

•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 ch.1 to ch.2
Power interruption: Operate at ≥ 150 msec.
Status LED: Turn on when input is on or test switch is on
Test switch
AUTO: Output the signal by input
OFF: Forced input signal off
ON: Forced input signal on

OPERATION



t = 1.5 – 2.5 sec.

N.O. or N.C. selectable with jumpers. (a or b of CH1 START, CH1 STOP, CH2 START or CH2 STOP)

INPUT SPECIFICATIONS

Input: Dry contact or open collector
Approx. 3 V DC (2.5 mA)
ON resistance: ≤ 200 Ω
OFF resistance: ≥ 100 kΩ
Minimum input interval: 10 sec.

OUTPUT SPECIFICATIONS

Output: Dry contact
Rating: 250 V AC @ 3 A (cos ø = 1)
30 V DC @ 3 A (resistive load)
Maximum switching voltage: 250 V AC or 120 V DC (0.2 A)
Maximum switching power: 750 VA or 90 W
Minimum switching load: 5 V DC @ 10 mA
One-shot pulse width: 1.5 – 2.5 sec. (fixed)

XIN TOP WORLD WIDE SERVICE
幸託有限公司
XIN TOP CORPORATION
TEL：(02)2598-1199 E-mail：info@xintop.com
FAX：(02)2596-2331 Website：www.xintop.com

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.)
Attaching jumper to SHORT or OPEN of CH1 COM and CH2 COM enables to switch common or separation.

INSTALLATION

Current consumption: Approx. 50 mA
Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 30 to 95 %RH (non-condensing)
Mounting: Standard Rack 38BXx
Weight: 150 g (0.33 lb)

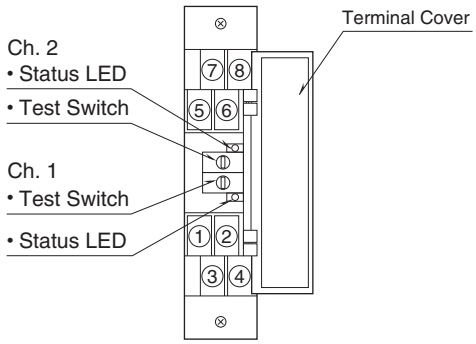
PERFORMANCE

Insulation resistance: ≥ 100 MΩ with 500 V DC
Dielectric strength: 1500 V AC @ 1 minute
(input or power to ch.1 to ch.2 to ground)
500 V AC @ 1 minute (ch.1 start - ch.1 stop)
500 V AC @ 1 minute (ch.2 start - ch.2 stop)
(Non-isolation when common is connected)

STANDARDS & APPROVALS

CE conformity:
EMC Directive (2004/108/EC)
EMI EN 61000-6-4: 2007/A1: 2011
EMS EN 61000-6-2: 2005
Low Voltage Directive (2006/95/EC)
EN 61010-1: 2010
Installation Category II
Pollution Degree 2
Input or power to ch.1 to ch.2: Reinforced insulation (300 V)

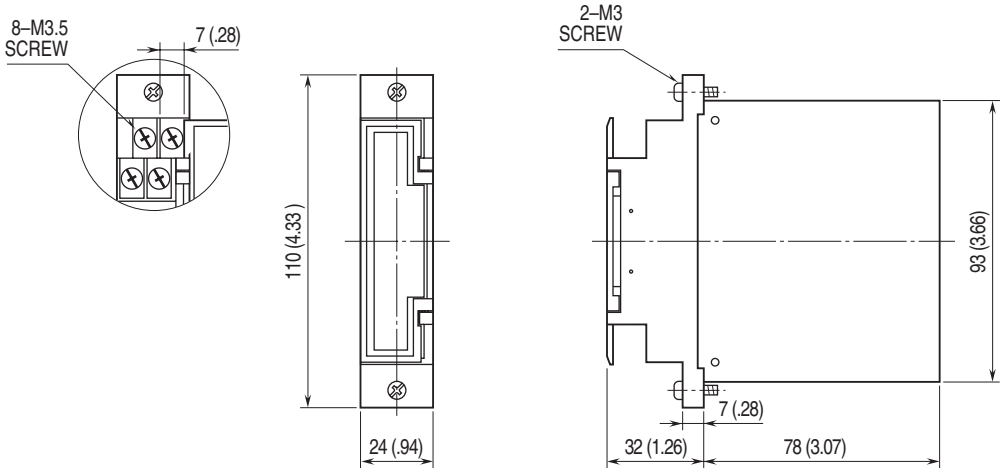
EXTERNAL VIEW



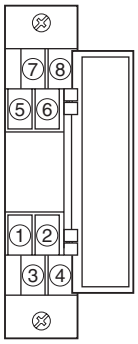
幸託有限公司
XIN TOP CORPORATION
TEL：(02)2598-1199 E-mail：info@xintop.com
FAX：(02)2596-2331 Website：www.xintop.com

MODEL: 38BSH3

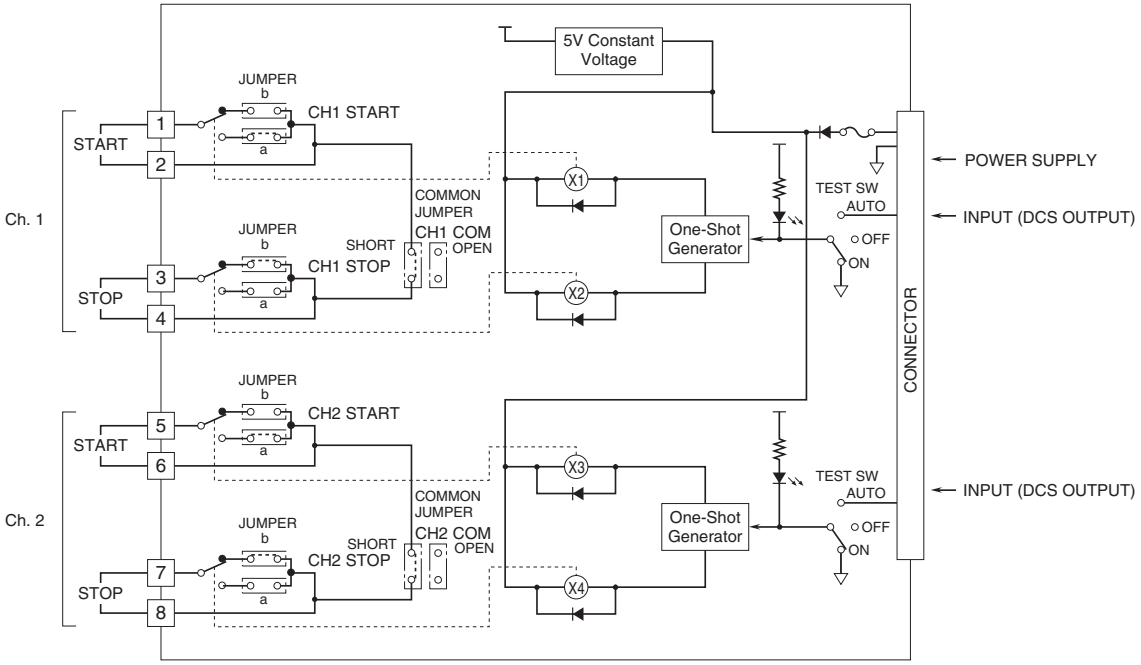
DIMENSIONS unit: mm (inch)



TERMINAL ASSIGNMENTS



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Jumper for start is set to N.O., jumper for stop is set to N.C. at factory default.
Common jumper is set to SHORT at factory default.

幸託有限公司
XIN TOP CORPORATION
TEL：(02)2598-1199
FAX：(02)2596-2331
E-mail：info@xintop.com
Website：www.xintop.com

⚠ Specifications are subject to change without notice.

幸託有限公司
XIN TOP CORPORATION
TEL：(02)2598-1199
FAX：(02)2596-2331
E-mail：info@xintop.com
Website：www.xintop.com