MAISYSTEM CO., LTD.

DCS Input/Output Relay Card Series

OUTPUT RELAY CARD

MODEL

DESCRIPTIONS

The 38N-4 is a DCS-front-end use relay card installed in a dedicated 19-inch rack, used to manually turn on/off a voltage contact output to directly drive devices such like electromagnetic valve, and to automatically turn it off by an external status contact from the DCS.

- Voltage output (LED turns on at output)
- Test switch useful for the DCS test running
- 0.5A fuse for the voltage output

MODEL & SUFFIX CODE SELECTION

38N-4

MODEL -

OUTPUT CARD -

4 : Manual ON / Auto OFF

ORDERING INFORMATION

Specify code number. (e.g. 38N-4)

RELATED PRODUCTS

• Standard rack (model: 38N-BY1, -BH1)

GENERAL SPECIFICATIONS

Construction: Rack mounted; terminal access via screw terminals at the front and via card-edge connector at the rear Connection: M3.5 screw terminals and card-edge connector Screw terminal material: Nickel-plated steel (torque 0.8 N·m)

Power input: Supplied via card-edge connector

Fuse for voltage output: 0.5A incorporated Alarm: Dry contact output at the rack terminal

- when the fuse is blown. Isolation: DCS output or external contact or power
- to power for voltage output or fuse alarm output
- Indicator LED: Orange light turns on with the output ON

INPUT

■ DCS OUTPUT: Open collector Coil rating: 24V DC @10mA (approx.)

■ EXTERNAL CONTACT (EM valve control SW): Dry contact Coil rating: 24V DC @20mA (approx.)

OUTPUT

- VOLTAGE CONTACT OUTPUT
- Rated load: 100V AC @0.5A (cosø=1) 30V DC @0.5A (resistive load)
 - Electrical life 10⁵ cycles (rate 30/min.)

Maximum switching voltage: 125V AC or 30V DC

Maximum switching power: 50VA or 15W

Minimum load: 5V DC @10mA

Mechanical life: 5×10^7 cycles

External protection: Contact protection and noise quenching recommended when driving an inductive load (coil, etc.)

■ FUSE ALARM OUTPUT: Dry contact

50V AC @0.5A (cosø=1) Rated load: 30V DC @0.5A (resistive load) Electrical life 10⁵ cycles (rate 30/min.) Maximum switching voltage: 50V AC or 30V DC Maximum switching power: 25VA or 15W Minimum load: 5V DC @10mA Mechanical life: 5×10^7 cycles External protection: Contact protection and noise quenching recommended when driving an inductive load (coil, etc.)

INSTALLATION

Power input: Operational voltage range 24V DC ±10%, ripple 10% p-p max., approx. 40mA Operating temperature: -5 to +55°C (23 to 131°F) Operating humidity: 30 to 90% RH (non-condensing) Dimensions: W23×H149×D102 mm (0.91"×5.87"×4.02") Weight: 150 g (0.33 lbs)

PERFORMANCE

Insulation resistance: $\geq 100 M\Omega$ with 500V DC (DCS output or external contact or power to power for voltage output to fuse alarm output) Dielectric strength: 1000V AC @1 minute (DCS output or external contact or power to power for voltage output to fuse alarm output)

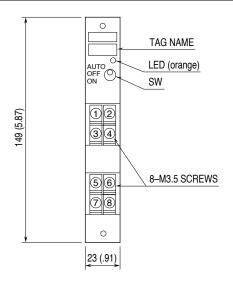


XIN TOP CORPORATION

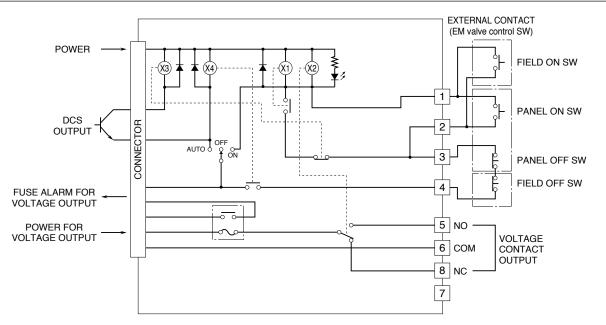
幸託有限公司 TEL: (02)2598-1199 E-mail: info@xintop.com FAX: (02)2596-2331 Website: www.xintop.com

38N-4

FRONT VIEW



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM





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