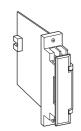
MODEL: 18DI

Rack-mounted DCS Signal Conditioners 18-RACK

CONTACT INPUT MODULE

Functions & Features

• Buffer relay for providing signals to a DCS system



MODEL: 18DI-1-R

ORDERING INFORMATION

Code number: 18DI-1-R

INPUT

Dry contact or open collector

OUTPUT

Relay contact

POWER INPUT

DC Power

R: 24 V DC

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

GENERAL SPECIFICATIONS

Construction: Rack-mounted; terminal access via screw terminals on the front and connector on the rear; terminal cover provided

Connection

Input: M3.5 screw terminals (torque 0.8 N·m) **Output**: M3.5 screw terminals (torque 0.8 N·m)

and connector

Power input: Supplied from connector **Screw terminal**: Nickel-plated steel **Isolation**: Input or power to output

Indicator LED: Red lights turn on when the coil is energized.

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

Sensing: 24 V DC @ 30 mA

OUTPUT SPECIFICATIONS

■ Output: N.O. relay

Rating: 120 V AC @ 0.2 A (cos \emptyset = 1) 30 V DC @ 0.2 A (resistive load) Electrical life $\ge 1 \times 10^5$ cycles

Maximum switching voltage: 264 V AC or 100 V DC

Maximum switching power: 24 VA or 6 W

Minimum load: 5 V DC @ 10 mA

Mechanical life: 5×10^7 cycles

Retransmitted output: SPDT relay

Rating: $120 \text{ V AC} @ 1 \text{ A (cos } \emptyset = 1)$ 30 V DC @ 1 A (resistive load)Electrical life $\geq 1 \times 10^5$ cycles

Maximum switching voltage: 264 V AC or 100 V DC Maximum switching power: 120 VA or 30 W

Minimum load: 5 V DC @ 10m A

Mechanical life: 5 × 10⁷ cycles

For maximum relay life with inductive loads, external protection is recommended.

INSTALLATION

Power consumption

•DC: Approx. 30 mA

Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 30 to 90 %RH (non-condensing)

Mounting: Standard Rack 18BXx or 18KBXx

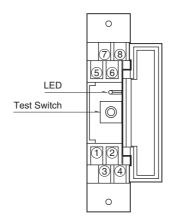
Weight: 150 g (0.33 lb)

PERFORMANCE

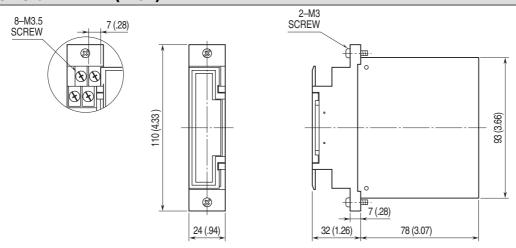
Insulation resistance: $\geq 100 \text{ M}\Omega$ with 500 V DC Dielectric strength: 1500 V AC @ 1 minute (input or power to output to ground)

MODEL: 18DI

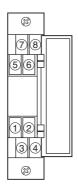
EXTERNAL VIEW



DIMENSIONS unit: mm (inch)



TERMINAL ASSIGNMENTS



幸託有限公司

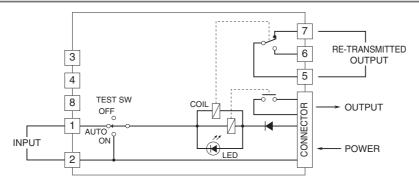
XIN TOP CORPORATION

FAX: (02)2596-2331

Website: www.xintop.com

MODEL: 18DI

CONNECTION DIAGRAM



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Specifications are subject to change without notice.

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

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