

ETN-40

16 Optoisolated Digital Inputs and 16 Relays Outputs



The ETN-40 is a distributed ETN slave module, with 16 optoisolated digital inputs, active at 24 V_{DC} or GND, and with 16 relays outputs. It is completely managed by an ETN master controller. The ETN-40 receives the state of the 16 digital outputs from the master controller and sends it back the 16 digital inputs state.

Technical data

Power supply	<ul style="list-style-type: none"> • 24V_{DC} ± 25%, 500 mA
ETN Interface	<ul style="list-style-type: none"> • Slave, optoisolated • Baud rate up to 6 Mbit/s, (option 12 Mbit/s)
Address selection	<ul style="list-style-type: none"> • 1÷255 by rotary switch
Digital Inputs	<ul style="list-style-type: none"> • 16 optoisolated digital inputs, active at 24 V_{DC} or GND; selection in group of 4 by common signal • Protection by Transguard 30 V • Input current 10 mA, 24 V • Switching threshold 9 V • Max input voltage 30 V • Anti-Debounce circuit
Digital Outputs	<ul style="list-style-type: none"> • 16 relays outputs • Watchdog circuit • Protection by varistors 250 V (optional)
Mechanical relays	<ul style="list-style-type: none"> • Plastic sealed construction, contact N.O. • Max. current 8A • Max. switching voltage 250V
Leds	<ul style="list-style-type: none"> • POWER • BUS FAULT • 1÷16 input state • 1÷16 output state
Module protection	<ul style="list-style-type: none"> • By filter and microfuse, 630 mA
Connectors	<ul style="list-style-type: none"> • Male, Phoenix Contact Combicon like
Working temperature	<ul style="list-style-type: none"> • From 0°C to +70°C
Warehouse temperature	<ul style="list-style-type: none"> • From -25°C to +85°C
Relative humidity	<ul style="list-style-type: none"> • From 10% to 90% without condensation
Case	<ul style="list-style-type: none"> • Plastic case, class V.0, for DIN guide
Dimensions	<ul style="list-style-type: none"> • 210 x 115 x h60 mm
Order code	<ul style="list-style-type: none"> • ETN-40 (16 DI + 16 relays, standard) • ETN-40/B (16 DI + 16 sockets for relays) • ETN-40/V (16 DI + 16 relays protected by varistors)