

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