

ESC State 1
Details 2

ESC State

× EtherCAT

The screenshot displays the 'Topology View' of an EtherCAT network. The network consists of several nodes connected in a hierarchical structure. On the left, there are three ETS-HUB nodes: [02FF] MASTER (ErrorCount: 0, OpDropCount: 0), [0300] ETS-HUB (ErrorCount: 0, OpDropCount: 0), and [0301] ETS-HUB (ErrorCount: 49, OpDropCount: 0). Node [0302] ETS-HUB (ErrorCount: 155, OpDropCount: 0) is highlighted in red. In the center, there are several ECS nodes: [000A] MADHT1 (ErrorCount: 0, OpDropCount: 0), [000B] MADHT1 (ErrorCount: 0, OpDropCount: 0), [0259] ETS-DI16 (ErrorCount: 0, OpDropCount: 0), [0233] ECS-DI16 (ErrorCount: 0, OpDropCount: 0), [0234] ECS-DO1 (ErrorCount: 0, OpDropCount: 0), [0235] ECS-SC0 (ErrorCount: 0, OpDropCount: 0), and [0236] ECS-SC0 (ErrorCount: 0, OpDropCount: 0). On the right, there are more ETS nodes: [0211] ETS-DI16 (ErrorCount: 0, OpDropCount: 0), [0210] ETS-DO1 (ErrorCount: 0, OpDropCount: 0), [0246] ETS-D08N (ErrorCount: 102, OpDropCount: 0), [024A] ETS-DI32 (ErrorCount: 0, OpDropCount: 0), [024B] ETS-DO3 (ErrorCount: 0, OpDropCount: 0), [0244] ETS-A040 (ErrorCount: 40, OpDropCount: 0), and [0254] ETS-A00 (ErrorCount: 102, OpDropCount: 0). A context menu is open over node [0259] ETS-DI16, showing options: Show ESC Details (highlighted with a red box and a mouse cursor), Get AllStatus Error, Clear Error, and Clear Error All. A 'Cycle Time' panel is visible on the left, showing RoundTrip (Set: 1000, Current: 57, Max: 59, Average: 54.43) and ProcessCycle (App: 130, Net: 63). At the bottom, there are status buttons: Discon, Initial (highlighted with a red box), PreOP, SafeOP, OP (highlighted with a black box), Update, +, -, and ESC Info (highlighted with a red box).

- **Show ESC Details**
 - **ESC Info**
 - **Main - Motion View - EscState**

The screenshot displays two windows: 'Topology View' and 'ESC State'. The 'Topology View' shows a network diagram with nodes like [02FF] MASTER, [000A] MADHT1, and various ETS and ECS nodes. The 'ESC State' window shows the 'MADHT1505BA1' node with an 'EtherCAT Processor' and four ports (Port 0, Port 1, Port 2, Port 3). Each port has a table of error counts: 'Link', 'Open', 'Comm', 'Lost Link', 'Invalid Frame', 'Rx Error', and 'Forwarded Rx Error'. The 'Error' counter in the processor is 0. A status bar at the bottom shows 'Discon', 'Initial', 'PreOP', 'SafeOP', 'OP', and 'ESC Info'.

Details

This screenshot is similar to the one above but includes detailed annotations in yellow text. It points to various elements: 'Selected Node Name' (MADHT1505BA1), 'Click to show the previous ESC', 'Click to show the next ESC', 'Register Type', 'Click to Clear Errors', 'ECAT Processing Unit Error Counter', 'Port Number', 'Comm : Communication on Port (No Stable / Establish)', 'Loop : Port Open / Port Close', and 'Link : Physical Link on Port (No Link / Link Detected)'. The 'Error Reset' button is also highlighted.

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