

NE871

Compact Product Suite hardware selector



NE871 is an industrial router that also acts as a firewall. The router/firewall can be utilized to segment a system into network areas and also security zones. NE871 is primarily intended to connect a client-server network to a plant network or to a DMZ (demilitarized zone).

The concept of security zoning is described in IEC 62443. In short, security zoning is a method to segment a system into zones with different security levels. A security level is complied with by implementing a combination of security countermeasures. The reason why it potentially could make sense to divide a system into security zones, which comply with different security levels, could be that the risk for different parts of the system varies. Another could be that the impact of a potential incident varies.

NE871 supports RNRP (Redundant Network Routing Protocol), which enables 800xA to have two physically separate networks, and thereby avoid a single point of failure.

Features and benefits

- NE871 has a redundant power supply and alarm function
- Wide operating voltage range (16 VDC to 60 VDC)
- Back end holds a casted DIN clip for stable mounting on a DIN-rail
- Digital IO for monitoring
- Console port for management using CLI
- USB port for easy save and load system configuration
- 3 x RJ-45 Ethernet 1000 BaseTX connectors
- Status LED's

| General info | |
|-------------------------|---|
| Article number | 3BSE080240R1 |
| Ethernet TX 10/100 | - |
| Ethernet TX 10/100/1000 | 3 ports |
| Ethernet SFP | - |
| Network redundancy | Redundant Network Routing Protocol (RNRP) |
| Managed | Router |
| Mounting | DIN |
| Layer | Layer 3 routing – RNRP |
| Firewall | Yes |

| Detailed data | |
|-------------------|---|
| Operating Voltage | 16 to 60 VDC |
| Rated Current | 0.31 (0.48*) A @ 20 VDC 0.15 (0.21*) A @ 48 VDC |
| Digital I/O | 1 x 4-ports detachable screw terminal |
| Console | 1 x USB Micro-B connector |

| Environment and certification | |
|-------------------------------|----------------------|
| Degree of protection | IP40 |
| Operating Temperature | -40 to +70 °C |
| Temperature Storage | -50 to +85 °C |
| Marine certificate | DNV |
| G3 compliant | Compliant |
| RoHS compliance | EN 50581:2012 |
| WEEE compliance | DIRECTIVE/2012/19/EU |

| Dimensions | |
|-------------------|--------------------|
| Dimension (WxHxD) | 134 x 100 x 122 mm |
| Weight | 1.5 kg (3.31 lbs.) |

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