

NE802

ABB Ability™ Symphony® Plus Hardware Selector



NE802 is an unmanaged 5-port switch with one SFP fiber port and four copper ports, all supporting 10/100 Mbit/s or Gbit Ethernet. The ABB range of Small Form-factor Pluggable (SFP) transceivers are available as multimode, single-mode, or Bi-Di transceivers with distances up to 120 km.

The unit is designed for use in industrial applications with dual 10 to 57 VDC power input. The unique “tri-galvanic” isolation provides isolation between all ports, power supply, and between each chassis screen avoiding ground loop currents. The IP21 rating ensures that the unit can be installed in locations where condensed water may occur. Only industrial-grade components are used which gives the units an MTBF of 1.182.000 hours and ensures a long service life. A wide operating temperature range of -40 to +70 °C (-40 to +158 °F) can be achieved with no moving parts.

Features and benefits

- TX shields individually isolated
- Wide DC power range 12 – 48 VDC
- Wide temperature range
- Automatic MDI/MDI-X crossover
- LED indicators for Power, Speed, Duplex, Link and Traffic
- Port monitoring
- 35 mm DIN rail mounting
- Enable or disable of flow control

More info

| Product title | Article number | Type | Link speed (Mbit/s) | Indicative range (km) | Power budget (dB) | TX/RX wavelength (nm) |
|---------------|----------------|-------------------|---------------------|-----------------------|-------------------|-----------------------|
| PT801 | 3BSE080214R1 | Multi mode | 100 | 2 | 20 | 1310/1310 |
| PT802 | 3BSE080215R1 | Single mode | 100 | 20 | 17 | 1310/1310 |
| PT803 | 3BSE080223R1 | Single mode, BiDi | 100 | 20 | 18 | 1310/1550 |
| PT804 | 3BSE080224R1 | Single mode, BiDi | 100 | 20 | 18 | 1550/1310 |
| PT805 | 3BSE080216R1 | Single mode | 100 | 40 | 30 | 1310/1310 |
| PT806 | 3BSE080227R1 | Single mode, BiDi | 100 | 40 | 26 | 1310/1550 |
| PT807 | 3BSE080228R1 | Single mode, BiDi | 100 | 40 | 26 | 1550/1310 |
| PT808 | 3BSE080217R1 | Single mode | 100 | 80 | 30 | 1550/1550 |
| PT809 | 3BSE080235R1 | Single mode, BiDi | 100 | 80 | 29 | 1310/1550 |
| PT810 | 3BSE080236R1 | Single mode, BiDi | 100 | 80 | 35 | 1550/1310 |
| PT811 | 3BSE080218R1 | Single mode | 100 | 120 | 35 | 1550/1550 |
| PT812 | 3BSE080233R1 | Single mode, BiDi | 100 | 120 | 32 | 1550/1490 |
| PT813 | 3BSE080234R1 | Single mode, BiDi | 100 | 120 | 32 | 1490/1550 |
| PT814 | 3BSE080232R1 | RJ45 | 10/100 | 0.1 | - | - |
| PT831 | 3BSE080222R1 | Multi mode | 1000 | 0.3–0.55 | 9 | 850/850 |
| PT832 | 3BSE080225R1 | Multi mode | 1000 | 1–2 | 1 | 1310/1310 |
| PT833 | 3BSE080219R1 | Single mode | 1000 | 10 | 11 | 1310/1310 |
| PT834 | 3BSE080229R1 | Single mode, BiDi | 1000 | 20 | 15 | 1310/1490 |
| PT835 | 3BSE080230R1 | Single mode, BiDi | 1000 | 20 | 15 | 1490/1310 |
| PT836 | 3BSE080220R1 | Single mode | 1000 | 50 | 20 | 1550/1550 |
| PT837 | 3BSE080221R1 | Single mode | 1000 | 80 | 24 | 1550/1550 |
| PT838 | 3BSE080231R1 | Single mode | 1000 | 110 | 30 | 1550/1550 |
| PT839 | 3BSE080226R1 | RJ45 | 1000 | 0.1 | - | - |

General info

| | |
|-------------------------|------------------------|
| Article number | 3BSE080237R1 |
| Ethernet TX 10/100 | - |
| Ethernet TX 10/100/1000 | 4 ports |
| Ethernet SFP | 1 x 10/100/1000 Mbit/s |
| Managed | Lightly managed |
| Mounting | DIN |
| Layer | Layer 2 |
| Firewall | No |

Detailed data

| | |
|-------------------|---------------------------------------|
| Operating Voltage | 9.6 to 57.6 VDC redundant power input |
| Rated Current | 100 mA @ 12 VDC |

Environment and certification

| | |
|-----------------------|----------------------|
| Degree of protection | IP21 |
| Operating Temperature | -40 to +70 °C |
| Temperature Storage | -40 to +85 °C |
| Marine certificate | DNV |
| G3 compliant | Compliant |
| RoHS compliance | EN 50581:2012 |
| WEEE compliance | DIRECTIVE/2012/19/EU |

Dimensions

| | |
|-------------------|--------------------|
| Dimension (WxHxD) | 34 x 123 x 121 mm |
| Weight | 0.2 kg (0.44 lbs.) |

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