NE802
ABB Ability™ System 800xA® 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.)