DATA SHEET

NE840
Compact Product Suite hardware selector

NE840 is a high-performance layer 2 industrial Ethernet switch designed for high network traffic applications. Various port configurations are available that can be further customized with SFP transceivers. NE840 is powered by the ABB Network Operating System (ABB NEOS).

NE840 is designed for 19” cabinets according to ETSI standards making it suitable for use in control room networks as well as for cabinets installed along railway trackside or maritime installations. NE840 is designed to run efficiently from an AC power supply, the unit is also equipped with configurable I/O fault contact that makes it ideal for easy installation and monitoring in industrial applications.

Features and benefits

- NE840 is designed for installation in 19” rack solutions according to ETSI standard with a shallow depth of 240 mm.
- NE840 has a USB 2.0 host interface.
- NE840 can also be wall-mounted as an installation option.
- Each SFP slot can hold one SFP transceiver for copper or fiber cable.

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	3BSE080211R1
Ethernet TX 10/100	8 ports
Ethernet TX 10/100/1000	7 ports
Ethernet SFP	4 x 10/100/1000 Mbit/s
Network redundancy	Fast reconfiguration of network typology (FRNT)
Managed	Managed
Mounting	Rack
Layer	Layer 2
Firewall	No

Detailed data	
Operating Voltage	90 to 264VAC, 47 to 63 Hz
Rated Current	350 mA @ 120 VAC 60 Hz 220 mA @ 240 VAC 50 Hz
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 +55 °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)	466 x 258 x 43 mm
Weight	3.8 kg (8.38 lbs.)

—

solutions.abb/compactproductsuite
solutions.abb/controlsystems

—

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2024 ABB All rights reserved