

Optional Accessories NSBon-xx

NSBon-15

Lightning and Surge protection of Ethernet ports



- ✓ Up to 4 ports 10/100/1000Base-T
- ✓ PoE 802.3af /3at /3bt/ 60W/ 95W
- ✓ DIN Rail mounting
- ✓ Compact design

NSBon-15 and NSBon-14 are surge protectors keeping any IP devices with Ethernet 10/100/1000Base-T interface safe from lightning strike and other forms of electrical interference such as power surges and spikes over networking cables. The devices support PoE transmission in accordance with IEEE 802.3af/3at/3bt recommendations, regardless of the transmission method, as well as passive PoE.

The NSBon-15 has eight shielded RJ45 Jacks for connecting four equipment ports. The NSBon-14 has two shielded RJ45 Jack for connecting one equipment port. These protectors utilize Gas Discharge Tubes (GDT) for each wire in RJ45 connector in order to protect all eight wires of networking cable including PoE. The “Line” sockets and the “Equipment” sockets of each port are located on different sides of the case opposite each other. There are also two contacts on the case, GND1 for connection directly to the potential equalization bus (PE) and GND2 for connection to a ground point inside the enclosure.

The GND1 contact is electrically connected to the shields of sockets “Line”. The GND2 contact is electrically connected to the shields of sockets “Equipment”. Contacts GND1 and GND2 are galvanically isolated from each other.

NSBon-15 and NSBon-14 are designed for DIN rail mounting and deployed beside PoE switches, inside junction boxes or electrical enclosures.

Technical Data

Maximum Operation DC Voltage: 60VDC	Up to 4 ports 10/100/1000Base-T + PoE
Impulse Discharge Current (8/20us) line-ground: 5 kA	Input/ Output Connections: RJ45 shielded jacks
Impulse Discharge Current (8/20us) line-line: 1 kA	Mounting: clip for 35mm DIN Rail
DC Breakdown Voltage line-ground: 90 V	Operating Temp.: -40 to +70°C
DC Breakdown Voltage line-line: 75 V	Dimensions: 115x56x25mm (NSBon-15)



Ordering Information

NSBon-15	Lightning and surge protection of 4x 10/100/1000Base-T Ethernet ports + PoE 802.3af/3at/3bt, indoor
NSBon-14	Lightning and surge protection of 1x 10/100/1000Base-T Ethernet port + PoE 802.3af/3at/3bt, indoor