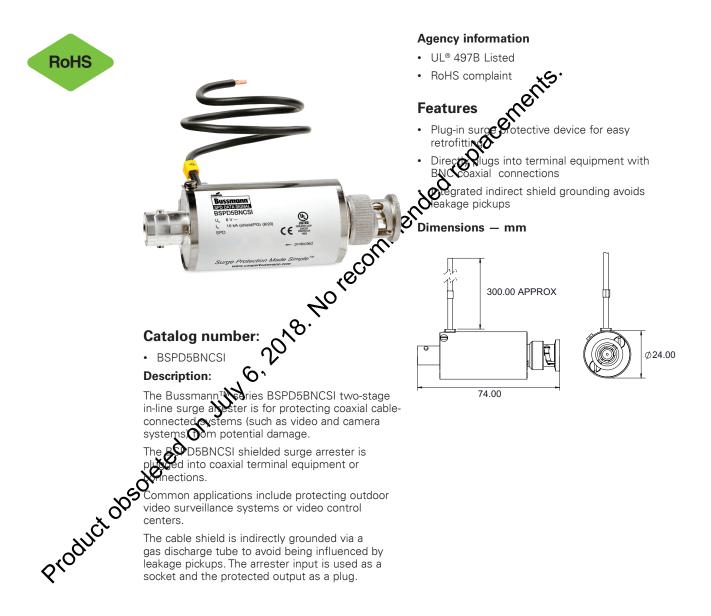
Effective December 2016 Supersedes January 2013 BUSSMAN

In-line BNC connector data signal surge protective device for coaxial cable systems





Catalog numbers and specifications

Circuit diagram

Catalog number	BSPD5BNCSI		
Nominal voltage (U _N)	5 V	_ []	
Max. continuous operating DC voltage (U _c)	8 V		
C2 Nominal discharge current (8/20 µs) per line (I,)	2.5 kA		
C2 Nominal discharge current (8/20 $\mu s)$ shield-PG (I_)	10 kA		
Voltage protection level line-shield for In C2 (U_p)	≤25 V		
Voltage protection level line-shield at 1 kV/µs C3 (U _p)	≤15 V	└──╶┿╴┿─╢──┝╶──┘	
Voltage protection level shield-PG at 1 kV/µs C3 (U)	≤600 V	Gas discharge tube	
Insertion loss at 265 MHz	≤3 dB		
Return loss at 40 MHz	≥20 dB	Gas discharge tube	
Impedance (Z)	75 Ω		
Series impedance per line	10 Ω		or
Capacitance line-shield (C)	≤50 pF	Bi-polar suppressor diode Decoupling resisto	01
Operating temperature range	-40°C to +80°C		
	BNC Socket (female) /		
Connection (input / output)	BNC Plug (male)		
Connection (input / output) Grounding		In-line BNC SPD (Niplications	
	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an	In-line BNC SPD Applications Catalog number BSPD	5BNCS
Grounding	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap	In-line BNC SPD explications Catalog number BSPD: Bus systems and measuring, and control technology	5BNCS
Grounding Shield grounding	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap element	In-line BNC SPD incations Catalog number Bus systems and measuring, and control technology Control Net X	5BNCS
Grounding Shield grounding	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap	In-line BNC SPD explications Catalog number BSPDs Bus systems and measuring, and control technology Control Net X MelseoNet 2 X	5BNCS
Grounding Shield grounding Test standards	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap element IEC 61643-21 / EN	In-line BNC SPD explications Catalog number BSPDs Bus systems and measuring, and control technology Control Net X Melse Net 2 X Data networks	5BNCS
Grounding Shield grounding Test standards Agency information Warranty	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap element IEC 61643-21 / EN 61643-21 UL 497B 5 Years*	In-line BNC SPD Applications Catalog number BSPDE Bus systems and measuring, and control technology Econtrol Net Control Net X Met ONet 2 X Data networks X Orcnet X	5BNCS
Grounding Shield grounding Test standards Agency information Warranty	BNC Plug (male) Via outgoing earth conductor 18 AWG (0.75 m ^{m2}) Indirectly via an integrated spark gap element IEC 61643-21 / EN 61643-21 UL 497B 5 Years*	In-line BNC SPD Applications Catalog number BSPDE Bus systems and measuring, and control technology Econtrol Net Control Net X Met ONet 2 X Data networks X Orcnet X	5BNCS

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Bussmann Division 114 Old State Road Ellisville, MO 63021 United States Eaton.com/bussmannseries

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