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Product Bulletin

Nortel Norstar Compact ICS

Technical Specifications

Service tone cadences

Tone	Cadence (seconds)
Busy	0.5 on/0.5 off
Confirmation	1.0 on/1.0 off (3 bursts followed by no tone)
Expensive route	0.3 on/0.3 off (3 bursts)
Overflow	0.25 on/0.25 off
Recall	1.0/1.0 off (3 bursts followed by steady tone)
Ringback	2.0 on/4.0 off
Ring splash	0.2 on (1 burst)

Power specifications

Characteristic	ICS
Voltage V ac	110 - 120
Current A rms (max)	1.9
Frequency Hz	45 - 70
Crest factor	4.0

Telephone loop specifications

Characteristic	Value
Loop resistance	64 Ohms (300 m of 0.5 mm wire or 1000 ft. of 24 AWG wire)
Loop length	300 m (1000 ft.) without SAPS 780 m (2600 ft.) with SAPS
Minimum voltage at telephone	10 V dc
Current at telephone (idle)	45 mA nominal
Current at telephone (active)	80 mA maximum

Electrical requirements

Characteristic	Spec/value
Electrostatic discharge	
ICS and telephones	IEC 1000-4-2/EN 61000-4-2 severity level 3 maximum of 8 kV with a 300 Ohm/150 pF probe
Connectors	IEC 1000-4-2/EN 61000-4-2 severity level 2
Conducted immunity	Maximum of 3 V rms from 150 kHz to 30 MHz
Radiated immunity	Maximum of 5 V/m from 100 kHz to 1 GHz

Internal analog terminal adapter specifications

Characteristic	Spec/value
Battery voltage	-31 V dc +/- 10%
Maximum loop length	900 m (3000 ft.)
Maximum loop current	25 mA
Current limit	39 mA
Ring voltage at T/R	50 V rms
Maximum ringing load	2 REN
Ringing frequency	20 Hz
Ring trip time limit	150 ms

Physical Specifications

Characteristic	Spec/value
Height	18.2 in.
Width	9.8 in.
Depth	6.5 in.
Weight	6.7 lbs. (8 lbs. with all slots filled)

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