

Connection Box Range



Connection Box Range (BXCN300 + BXCN270 + BXCN250 + BXCN230 + BXCN202 + BXCN201 + BXCN200)

This is a range of boxes for use in telecom applications. These standard products are compatible with all our LSA+ type products

Features

- Supplied with cable management facilities (4 jumper rings supplied with BXCN300/270/250 models)
- Removable side and rear panels allows side by side mounting (BXCN300/270/ 250 models)
- Earth bar assembly providing a common earth
- Also available lockable metal boxes from 100 pair to 1020 pair

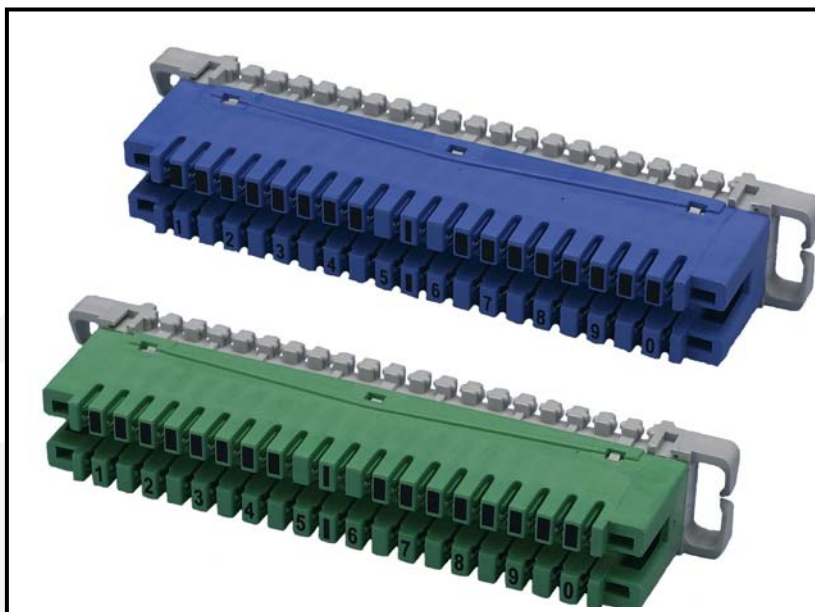
Materials:

- Colour: Light grey
- Casing: ABS for increased durability

Specifications

DESCRIPTION	PRODUCT CODE	DIMENSIONS
100 pair connection box	BXCN300	121x320x210 mm
70 pair connection box	BXCN270	90x160x210 mm
50 pair connection box	BXCN250	90x160x210 mm
30 pair connection box	BXCN230	159x143x50 mm
20 pair connection box	BXCN200	120x170x55 mm
20 pair connection box fitted with 2 connection strips and label holders	BXCN202	120x170x55 mm
Low profile 20 pair connection box (fitted with 2 low profile modules)	BXCN201	120x170x40 mm

IDC Disconnection Strips



IDC Disconnection Strips (237*)

TUK Product Code	Silver Plating Thickness	Colour (Housing/Base)
237GREEN	100µ" / 2.54µm	Green/Grey
237BLUE	100µ" / 2.54µm	Blue/Grey
e237	20µ" / 0.51 µm	White/Grey
e237cg	20µ" / 0.51 µm	Cream/Grey
237S	100µ" / 2.54µm	Cream/Grey
237Swh	100µ" / 2.54µm	White/Grey

10 pair disconnection strip in various colour and plating versions.

Features

- Disconnection facility allows lines to be disconnected temporarily for testing
- Fully compatible with industry standard back mount frames, insertion tools, connection boxes, designation strips and other accessories
- UK OFTEL approved
- High specification silver plated contacts maintain electrical performance after multiple insertions
- Industry standard LSA+ type contacts
- ISO 9001 approved manufacturing
- OEM available for rebranding or re-design

Specifications

- Dimensions: 123mm x 20.5mm x 39.5mm
- Housing: PBT (Flame retardancy satisfies UL94V-0 and EN60950)
- Contacts: Silver plated Phosphor Bronze

Electrical Performance

- Copper conductor diameter: 0.40 to 0.63mm
- Wire connections per slot: 2
- Standard working voltage: 50V DC (+5/-0) or 70V AC
- Insulation resistance: $\geq 1G\Omega$ (500V DC $\pm 50V$ DC)
- Dielectric strength: 2.0kV rms
- Contact resistance (in connection points): $< 10m\Omega$
- Contact resistance (with the protection device): $\leq 30m\Omega$
- Impulse breakdown voltage: 210-230V

Mechanical Data

- Wire Insertion Force: 35-70N
- Wire Pull-Out Force: 9.0N
- Wire Retention Force: 80% of wire breaking force

Environmental Data

- Temperature range: Storage -40°C to 90°C
- Operational - 20°C to 80°C
- Humidity: 5% to 95%

Oftel

This product complies with UK government OFTEL Approval NS/G/1235 W100025 for use in standard telecommunications wiring distribution systems.

Protection Magazine



Protection Magazine (5BM)

Features

- Magazine/mount for 3 pole surge arresters (GDTs)
- Accepts 10 x surge arrestors (TUK codes 14GDT or 21GDT)
- Fits onto disconnection strip
- High specification silver plated contacts
- ISO 9001 approved manufacturing
- Also available for 2 pole surge arresters (TUK code: 5BM2)

Specifications

- Dimensions: 113mm x 22mm x 41.1mm
- Contacts: Silver plated over Phosphor Bronze
- Housing: PBT
- Colour: Grey

Gas Arrestor



Gas Arrestor (21GDT)

Features

- Totally non radioactive over voltage protection
- Very high current handling capabilities
- Designed to perform to ITU (formerly CCITT) K12

Specifications

- DC Sparkover voltage: 150 – 250V
- Minimum insulation resistance: 1,000 $\mu\Omega$ @ 100VDC
- Maximum impulse sparkover voltage: 450V @ 1KV/ μ S
- Maximum capacitance: 1.5pF @ 1 μ Hz bias \emptyset VDC line to ground
- Minimum handover voltage: 100V (using ITU K12)

Three Terminal Gas TubeArrester

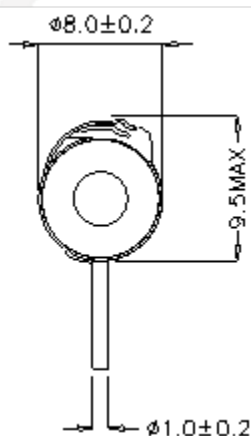
Totally Non-Radioactive over-voltage surge protection device that delivers very high current handling capabilities. Designed to perform to the stated characteristics of ITU (formerly CCITT) K12

Mechanical Specification

Outline: See below. Note: all dimensions are in mm

Marking: Devices are blue with white lettering. Details of: rating and date of manufactur

Packing: Packed 100 per tray with label. 10 trays per box.



All dimensions in mm

TUK Code: 21GDT

Electrical Specifications @ 25°C

TUK Code	DC Sparkover Voltage @ 100V/s Ramp Rate		Minimum Insulation Resistance		Maximum Impulse Sparkover Voltage @ 1kV/ μs	Maximum Capacitance @ 1MHz Bias 0V DC Line to Ground	Minimum Holdover Voltage (using ITU K12)
	Min	Max	@ +/- V DC				
	V		M ohm	V			
21GDT	150	250	1000	100	450	1.5	100

RATING:

Alternating Discharge Current	A	5.0	@ 1 Second Duration, 5 Shots @ 3 minute intervals
Impulse Discharge Current	kA	5.0	@ 8/20 μSecond, 5 Shots @ 3 minute intervals

End of life characteristics/Failure mode:

DC Sparkover Voltage	DCSO Voltage less than 50% of minimum or greater than 150% maximum shall be considered a failure.
Insulation Resistance	Less than 1 Mega ohm
Impulse Sparkover Voltage	Impulse breakdown greater than 150% of maximum shall be considered a failure.
Short Circuit	IR less than 100 Ohm at 0.1 Ampere.

Note: 95% of units tested will not exceed the end of life limits upon completion of any test
Parameters are quoted for Pin 1 to Pin 2 (Ground) and Pin 3 to Pin 2 (Ground)

Label Holder /Designation Strip



Label Holder/ Designation Strip (51K)

Features

- Locates to the top of the connection strip
- Two writing surfaces allow easy circuit identification, even when working on the strip
- Hinged design enables access to strip for labeling and circuit testing without removal

Specifications

- Dimensions: approx 108mm x 14mm x 17mm
- Materials: PBT
- Colour: Light grey with transparent windows