

Earthbridge B164, Four Stud, Solid Round Steel, 90° Angle



Earthbridges are assemblies made from a high-quality conductive earthpoint (connecting terminal) and various types of conductors. The nVent ERICO Cadweld exothermic connection process is used to combine them together, forming a highly corrosion resistant and long-lasting assembly.

DIAGRAMS



FEATURES

Long-lasting design

Low ground resistance and impedance

Superior electrical conductivity and resistance to corrosion

Electrically and mechanically robust and reliable

Easy to install

SPECIFICATIONS

Earthpoint Type:	B164, Four Stud
Material:	Copper;Steel
Conductor Type:	Solid Round Steel, 90° Angle

Table 1/3

Catalog Number	Article Number	Type	Conductor Size	Length (L)	Depth 1 (D1)	Depth 2 (D2)
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BF12K12P050H		BFKP	12 mm Diameter Solid	500mm	44.5mm	85mm
B16412K16	166445	BFKP	16 mm Diameter Solid	500mm	44.5mm	85mm
B16412K	166070	BFKP	12 mm Diameter Solid	500mm	44.5mm	85mm
BF12K12P050H G		BFKP	12 mm Diameter Solid	500mm	44.5mm	85mm

Table 2/3

Catalog Number	Article Number	Width 1 (W1)	Width 2 (W2)	Thread Size (TS)	Angle (a)	Rebar Assembly Type
BF12K12P050H		44.5 mm	85 mm	M12	90 °	Arc Welding to Rebar
B16412K16	166445	44.5 mm	85 mm	M12	90 °	Arc Welding to Rebar
B16412K	166070	44.5 mm	85 mm	M12	90 °	Arc Welding to Rebar
BF12K12P050H G		44.5 mm	85 mm	M12	90 °	Arc Welding to Rebar

Table 3/3

Catalog Number	Article Number	Hardware Included	Earthbridge Application	Complies With
BF12K12P050H		Yes	Tunnel	EN IEC® 62561-1 Class H 100kA
B16412K16	166445	Yes	Tunnel	EN IEC® 62561-1 Class H 100kA
B16412K	166070	Yes	Tunnel	EN IEC® 62561-1 Class H 100kA
BF12K12P050HG		Yes	Tunnel	EN IEC® 62561-1 Class H 100kA

ADDITIONAL PRODUCT DETAILS

Includes (4) brass bolts, (4) brass washers, (4) plastic caps, and (1) protective label.

DB-16-C-70-S-050-C		
DB	Earth Point	DB: 1 hole BT: 2 holes BF: 4 holes LU: M16 lug TA: tape
16	Thread Size	10: M10 12: M12 16: M16 40: Tape 40x5mm 30: Tape 30x4mm
C	Conductor Type	K: Steel Rond C: Y/G Cable T: Steel Bar F: Steel Bar 4mm N: NYY-O Cable H: N2XH-0 Cable
70	Conductor Size	12: D12mm 16: D16mm 30: 30x4mm 40: 40x5mm 50: 50mm ² 70: 70mm ² 95: 95mm ²
S	Conductor Angle	S: 0° P: 90° A: 45°
050	Length (cm)	xxx
x	Termination (option if cable)	SR: Solid Round EP: Earthpoint perpendicular ES: Earthpoint straight TA: Tape of 100mm TP: Tape of 150mm LU: M16 lug
x	Bolts & Washer	- : No Hardware H: With Hardware
C	Packaging	- : by unit (Made-to-Stock) C: 5 pieces (Made-to-Order) G: 25 pieces (Made-to-Order)

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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