

EXPLO 1

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AUGUST, 2000

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA STANDARD KSC-STD-E-0011G

Congress and the President created NASA on October 1, 1958 “to provide for research into the problems of flight within and outside the Earth’s atmosphere ...”

Explosionproof connectors from Vantage Technology are an integral part of NASA’s ground support safety efforts at Kennedy Space Center, Florida.

KSC-STD-E-0011G ... dictates those explosionproof connectors allowed at KSC and Revision G, released on 14 June 2000 after 14 months of technical effort, is important for the following reasons:

Vantage Technology ... is the most prominently mentioned explosionproof connector in this document. There are more Vantage connectors specified than any other.

Connector Styles ... NASA chose Vantage to supply the following GB connectors in 30, 60, 100 and 200 amp sizes for use in Class I, Division 1, Groups B-C-D areas.

GB-10XX plug, male or female insert
GB-D1016 plug, threaded cover

GB-B17XX receptacle, junction box
GB-B19XX receptacle, NPT mount
GB-B15XX receptacle, in-line style
GB-B17XX receptacle, panel-mount

Vantage is the only approved connector with standard and reverse service inserts.

Visit the Vantage web site
to download a copy of this specification:

http://www.vantagexp.com/Products/Applications/Explo_1/explo_1.htm

VANTAGE TECHNOLOGY, INC. 4675 SO. WINDERMERE ST., ENGLEWOOD, CO 80110
303.761.2121

KSC-STD-E-0011G

June 7, 2000

Supersedes

KSC-STD-E-0011F

April 1989

**ELECTRICAL POWER RECEPTACLES
AND PLUGS,
STANDARD FOR**

SPACEPORT SERVICES DIRECTORATE

National Aeronautics and
Space Administration

John F. Kennedy Space Center

KSC FORM 16-12 (REV. 6/95) PREVIOUS EDITIONS ARE OBSOLETE (CG 11/95)


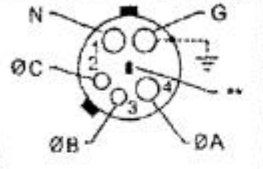
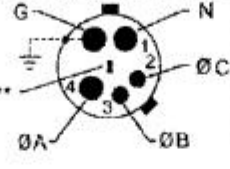
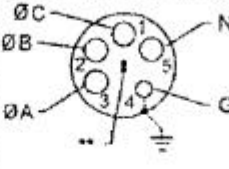
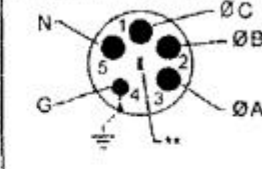
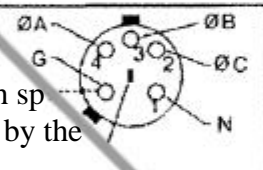
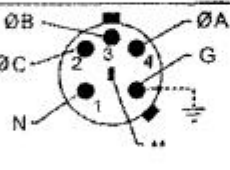
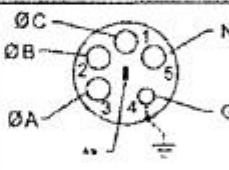
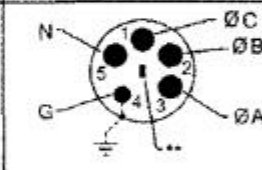
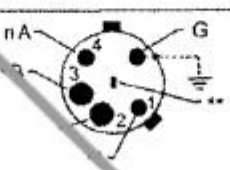
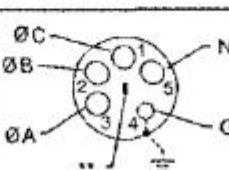
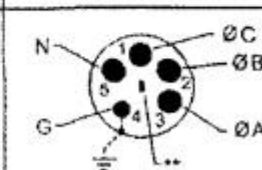



ELECTRICAL POWER RECEPTACLES AND PLUGS,
 STANDARD FOR

1. SCOPE

This standard is to be used by the John F. Kennedy Space Center (KSC) design maintenance organizations for internal operations and as a technical document to specify requirements in KSC design contracts. This standard (1) identifies those electrical power receptacles that shall be used when designing new or modifying existing facilities and identifies receptacles that shall be used for installation on portable ground power support equipment, (2) establishes a standard for symbols to be used in drawings, and (3) provides pertinent data for each receptacle. Receptacles included are the 60-hertz (Hz), 400-Hz, and direct current (dc) applications in hazardous and nonhazardous areas. The term "receptacle" in this sense shall be understood to include plugs, which are also identified by this standard.

Table 2. Hazardous Area, Class I, Division 1, Group B, C, D Explosionproof Receptacles (cont)

120/208V, 60 Hz, 3 phase, 5 wire, 4 pole				
FACILITY SYMBOL	WIRING DIAGRAM - FACILITY		WIRING DIAGRAM - GSE	
	RECEPTACLE	PLUG	PLUG	RECEPTACLE
 E (BCD)	 <p>CH No. BHR3583BW BHR3584BW</p>	 <p>CH No. BHP3583BW BHP3585BW</p>	 <p>VT GB-1020-36SL GB-D1020-36SL</p>	 <p>VT GB-B1720-36PL GB-B1920-36PL GB-B1520-36PL</p>
	 <p>CH No. BHP6584DW BHP6585DW</p>	 <p>CH No. BHP6585DW BHP6587DW</p>	 <p>VT GB-1024-29SL GB-D1024-29SL</p>	 <p>VT GB-B1724-29PL GB-B1924-29PL GB-B1524-29PL</p>
	 <p>CH No. BHR6583CW BHR6584CW</p>	 <p>CH No. BHP6583CW BHP6584CW</p>	 <p>VT GB-1028-23SL GB-D1028-23SL</p>	 <p>VT GB-B1728-23PL GB-B1928-23PL GB-B1528-23PL</p>

(Copies of this standard with special provisions directed by the

OPERATING LEVER FOR SWITCH INTERLOCK