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PRO-E

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DWG. NO.
JBXFD1G04MSSDSMRC

ELECTRICAL:

EMI SHIELDING :
SHIELDED FOR THE RANGE
55dB UP TO 100MHz

INSULATION RESISTANCE :
>500MΩ PER ANSI-EIA-364-D METHOD 21

MAX. CURRENT RATING :
(SEE TABLE 1)
MAXIMUM CURRENT THAT CAN BE APPLIED SIMULTANEOUSLY
ON EACH LINE OF THE CONNECTOR MATED PAIR, CONTINUOUSLY
DURING ITS LIFE TIME IN NORMAL CLIMATIC CONDITIONS.

CONNECTOR TESTING :
VOLTAGE
1900Vrms
TEST VOLTAGE IS APPROXIMATELY 75% OF THE DWV
VOLTAGE AT NORMAL CLIMATIC CONDITIONS. THIS
VOLTAGE CAN BE ACHIEVED SEVERAL TIMES, BUT NOT
APPLIED CONTINUOUSLY.

CONNECTOR WORKING :
VOLTAGE
900/630 (Vdc/ Vrms)
WORKING VOLTAGE IS APPROXIMATELY 1/3 OF THE
TEST VOLTAGE. THIS VOLTAGE IS SUSTAINABLE FOR
THE LIFE OF THE CONNECTOR IN ITS WORKING
ENVIRONMENT.

PHYSICAL:

MAXIMUM WIRE SIZE USED : 24 AWG

CABLE DIAMETER WITH PLASTIC : Ø2.0 mm MIN.
COLLET SET SUPPLIED TO Ø7.5 mm MAX.

ENVIRONMENTAL:

ENDURANCE: 1000 CYCLES AS PER MIL-STD 1344A, METHOD 2016.1

SHOCK: 50 g . DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1

VIBRATIONS: 10 TO 2000Hz γ = 15g, AS PER MIL-STD 1344A, METHOD 2005.1

PROTECTION INDEX: IP 40 AS PER CEI 529

OPERATING TEMPERATURE:
WITH PLASTIC COLLETS: -55°C TO +125°C (-67°F TO +257°F)

WITH OPTIONAL METALLIC COLLETS: -55°C TO +200°C (-67°F TO +392°F)
(ONLY ON REQUEST)

ØC

ØF

PIN CONTACT

TABLE 1

CONTACT		USABLE CABLES		MAX. CURRENT RATING (A)	CONTACT RESISTANCE (mΩ)
ØC	ØF	CORE SECTION (mm ²)	AWG		
		MIN.	MAX.		
0.9	0.8	-	0.21	24	10
					3.5

LINEAR
MEASURE:
THIRD ANGLE PROJECTION

TOLERANCES
UNLESS OTHERWISE SPECIFIED:

NO. OF PLACESmm (INCH)

WHOLE No.±0.5 (±.02)

ONE PLACE±0.2 (±.008)

TWO PLACES±0.1 (±.004)

ANGLES±1°

DRAWING TITLE
JBX, SIZE 1, 4 POSITION, MALE STRAIGHT PLUG

CAT NO.
JBXFD1G04MSSDSMR

CAGE NO: 09922SIZE: C

CUSTOMER

INTERPRET THIS DRAWING IN ACCORDANCE
WITH ASME Y14.5M - 1994.

SOURIAU

Connection Technology

www.souriau.com

APPROVAL

DRAWN: RK012-18-10

CHKD : TW12-18-10

DSGN : xxxmm-dd-yy

IMFG : DH12-18-10

QC : DK12-18-10

DRAWING SCALE: 4:1

DRAWING NO. REV

JBXFD1G04MSSDSMRC A

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PRO-E

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