

WG. NO.

JBXFDIC

CONTACT THE DOCUMENT CONTROL CENTER FOR THE LATEST REVISION.

ELECTRICAL:

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

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

MAX. CURRENT RATING : SEE INSULATOR DRAWING

CONNECTOR TESTING VOLTAGE : SEE INSULATOR DRAWING

CONNECTOR WORKING VOLTAGE : SEE INSULATOR DRAWING

PHYSICAL:

MAXIMUM WIRE SIZE USED : SEE INSULATOR DRAWING

CABLE DIAMETER WITH PLASTIC COLLET SET SUPPLIED: $\varnothing$ 2.0 mm MIN. TO $\varnothing$ 7.5mm 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 g = 15g. AS PER MIL-STD 1344A, METHOD 2005.1

PROTECTION INDEX: IP 40 AS PER CEI 529

ROHS COMPLIANT

SALT MIST : 48Hr PER SAE AS 1344 METHOD 1001.1 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)

NOTES:

1 RED DOT.

MATERIAL:

OUTER SHELL & BACK NUT : } BRASS

LATCHING SLEEVE : }

HALF BUSHES : }

COLLET : POLYAMIDE

FINISH:

OUTER SHELL & : CHROME

BACK NUT

OTHER BRASS PARTS : NICKEL

TOOLS

WIRE SIDE VIEW

ASSEMBLED VIEW FOR INFORMATION ONLY

MATING SIDE VIEW

PART LIST

ITEM NO.	DESCRIPTION
1	SLEEVE
2	HALFBUSH WITH WINDOW
3	HALFBUSH WITHOUT WINDOW
4	INSULATOR
5	$\varnothing$ 2.0- $\varnothing$ 7.5 CABLE COLLET (CHOOSE PER CABLE SIZE)
6	STANDARD BACK NUT
6a	BACK NUT FOR PROTECTIVE BOOT (OPTIONAL)

CATALOG NUMBER DESCRIPTION

JBX FD 1 XXXXXXDXX

BASIC SERIES

SHELL TYPE

SHELL SIZE

KEYING

SEE INSULATOR DRAWING

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING

SCALE 5:2

COLLET SET SCALE 1:1

LINEAR MEASURE:

THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES	mm [INCH]
WHOLE No.	$\pm$ 0.5 [$\pm$.02]
ONE PLACE	$\pm$ 0.2 [$\pm$.008]
TWO PLACES	$\pm$ 0.1 [$\pm$.004]
ANGLES	$\pm$ 1°

ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	US	EAR	ECN #EAR99

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APPROVAL

DRAWN: TJS	01-07-15
CHKD : EV	01-07-15
DSGN : EV	01-07-15
MFG : DH	01-07-15
QC : BB	01-07-15
DRAWING SCALE: 4:1	
DRAWING NO. REV	
JBXFDIC	A

JBX, SIZE 1, STRAIGHT PLUG

JBXFD1

CUSTOMER

SOURIAU

www.souriau.com

1 OF 1

PRO-E

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MALE INSULATOR, CRIMP CONTACT

DWG. NO.
JBX1INSMCC

CONTACT LAYOUT

02

03

04

05

FRONT SIDE VIEW

REAR SIDE VIEW

CONTACT

ISO VIEW

CONTACT

INSULATOR

ØC	1.3	1.3	0.9	0.9
ØF	1.4	1.4	1.1	1.1
MAX. AWG	18	18	20	20
MAX. CURRENT RATING (A)	15	15	10	10
CONTACT RESISTANCE (mΩ)	3	3	3.5	3.5
NUMBER OF CAVITY	2	3	4	5
MAX. CURRENT RATING	15	12	10	9
TEST VOLTAGE (Vrms)	1600	1300	1900	1400
WORKING VOLTAGE (Vdc/Vrms)	760/530	600/420	900/630	660/460

CONTACT TYPE :
CONTACT TERMINATION :
MATERIAL :
CONTACT :
CLIP :
INSULATOR :
FINISH :
CONTACTS :

M (MALE)
C (CRIMP)
BRASS
COPPER ALLOY
PEEK
GOLD

INSULATOR KEY

CATALOG NUMBER DESCRIPTION

JBXXX 1 XYYMCXXXX

BASIC SERIES

SHELL TYPE

SHELL SIZE

KEYING

CONTACT LAYOUT

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING

CONTACT TERMINATION

CONTACT TYPE

REVISIONS

B	REVISED PER ECN 12286	RSK 06-10-15	EV 06-10-15
A	RELEASED PER ECN 12264	SKV 03-10-15	EV 03-10-15
REV	DESCRIPTION	BY DATE	CHKD DATE

DRAWING TITLE

JBX, SIZE 1, MALE INSULATOR, CRIMP CONTACT

CAT NO.

JBX1INSMC

CAGE NO: 09922

SIZE: B

CUSTOMER

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

SOURIAU

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APPROVAL

DRAWN:	SKV	02-02-15
CHKD :	EV	02-02-15
DSGN :	EV	02-02-15
MFG :	DH	02-02-15
QC :	BB	02-02-15
DRAWING SCALE: NA		
DRAWING NO.		REV
JBX1INSMCC		B
1 OF 2		

LINEAR MEASURE:

THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES	mm [INCH]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]

ANGLES±1°

ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	US	EAR	ECCN =EAR99

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DWG. NO.
JBX1INSMCC

CONTACT LAYOUT	06	07	08
FRONT SIDE VIEW			
REAR SIDE VIEW			
CONTACT			
ISO VIEW			

CONTACT	ØC	0.7	0.7	0.7
	ØF	0.85	0.85	0.85
	MAX. AWG	22	22	22
	MAX. CURRENT RATING (A)	7	7	7
INSULATOR	CONTACT RESISTANCE (mΩ)	5	5	5
	NUMBER OF CAVITY	6	7	8
	MAX. CURRENT RATING	7	7	5
	TEST VOLTAGE (Vrms)	1400	1400	1200
	WORKING VOLTAGE (Vdc/Vrms)	660/460	660/460	600/420

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X	FR	Not listed	N/A
	US	EAR	ECCN =EAR99
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LINEAR MEASURE:			mm (INCH)
THIRD ANGLE PROJECTION			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
ONE PLACE	±3 [±.1]		
TWO PLACES	±0.5 [±.02]		
THREE PLACES	±0.25 [±.010]		
ANGLES±1°			

DRAWING TITLE				
JBX, SIZE 1, MALE INSULATOR, CRIMP CONTACT				
CAT NO.				
JBX1INSMC				
CAGE NO: 09922	SIZE: B		APPROVAL	
CUSTOMER	SOURIAU	DRAWN: SKV		02-02-15
		CHKD : EV		02-02-15
		DSGN : EV		02-02-15
		MFG : DH		02-02-15
		QC : BB		02-02-15
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.	WWW.SOURIAU.COM	DRAWING SCALE: NA		
		DRAWING NO.		REV
		JBX1INSMCC	B	
		2 OF 2		

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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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