

Customer Information Sheet

DRAWING No.: C90-310IFXXSX-XX

IF IN DOUBT - ASK

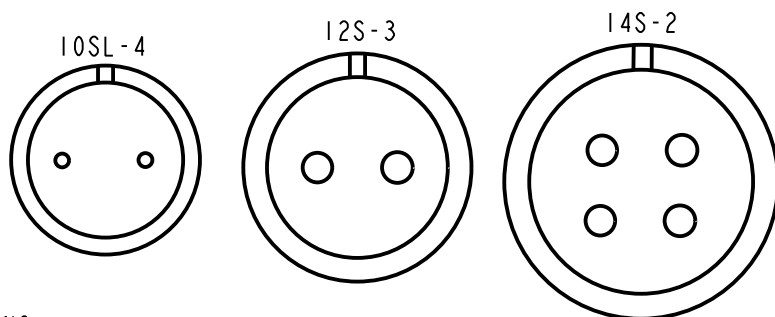
©

NOT TO SCALE

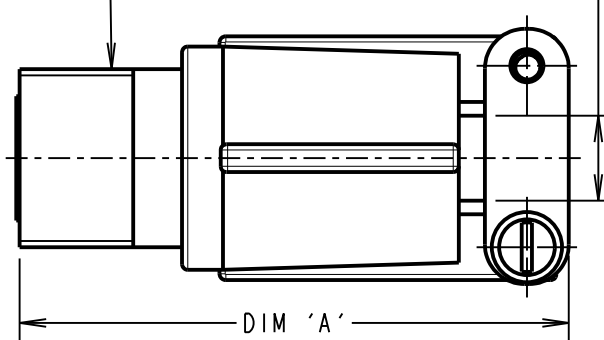
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

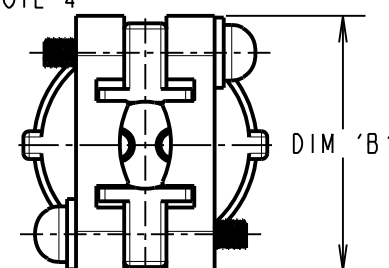
**CONTACT LAYOUT
(SHOWN LOOKING AT THE MATING FACE)**



'C' THREAD



Ø DIM 'D'
SEE NOTE 4



SPECIFICATIONS:

MATERIAL:

SHELL = ALUMINIUM ALLOY
INSULATOR = SYNTHETIC RUBBER
GROMMET = SYNTHETIC RUBBER
CONTACT = COPPER ALLOY

FINISH:

SHELL = ZINC COBALT ALLOY, BLACK
CONTACT = SILVER

ENVIRONMENTAL:

OPERATING TEMPERATURE = -55°C TO +125°C

MECHANICAL:

VIBRATION SENSITIVITY = 10Hz TO 500Hz, 98m/s² (10G)
SHOCK SEVERITY = 490m/s² (50G) FOR 11ms
WATER RESISTANCE (SEALING) = 1.8m FOR 48HRS, EXCEEDS IP67

ELECTRICAL:

CURRENT RATING = 13A

VOLTAGE RATING:

10SL & 12S SHELL SIZES = 500V AC, 700V DC

14S SHELL SIZE = 200V AC, 250V DC

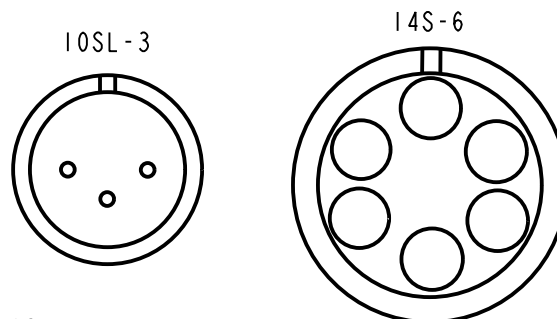
VOLTAGE PROOF:

10SL & 12S SHELL SIZES = 2,000V AC

14S SHELL SIZE = 1,000V AC

INSULATION RESISTANCE = 5,000MΩ MIN.

FOR MECHANICAL/ELECTRICAL REQUIREMENTS,
SEE COMPONENT SPECIFICATION CO45XX (LATEST ISSUE)



ORDER CODE:

C90-310IFXXXX-XX

SHELL SIZE (CONTACT LAYOUT):

10SL-3, 10SL-4, 12S-3, 14S-2
14S-6

CONTACT GENDER:

P - MALE
S - FEMALE

NOTES:

1. PRODUCT IS RoHS COMPLIANT
2. PRODUCT IS PACKED IN BAGS.
3. RECOMMENDED WIRE SIZE = 16-22 AWG.
4. RECOMMENDED WIRE STRIP LENGTH = 7.5mm.
5. CABLE CLEARANCE.

SHELL SIZE	DIM 'A' MAX	DIM 'B' MAX	'C' THREAD	Ø DIM 'D' MAX
10SL	54.10	22.76	5/8-24UNEF	7.14
12S	54.10	22.76	3/4-20UNEF	7.14
14S	54.10	25.94	7/8-20UNEF	10.31

MSP	9	19.07.17	20038
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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DISCLOSED, LOANED, COPIED
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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE:

CABLE CONNECTOR

DRAWING NUMBER:

C90-310IFXXSX-XX

SHT
2
OF
2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[C90-3101F10SL-3P](#) [C90-3101F10SL-3S](#) [C90-3101F10SL-4S](#) [C90-3101F10SL-4P](#) [C90-3101F12S-3P](#) [C90-3101F12S-3S](#) [C90-3101F14S-2P](#) [C90-3101F14S-2S](#) [C90-3101F14S-6P](#) [C90-3101F14S-6S](#)