

Customer Information Sheet

DRAWING No.: C90-3106FXXSX-XX

IF IN DOUBT - ASK

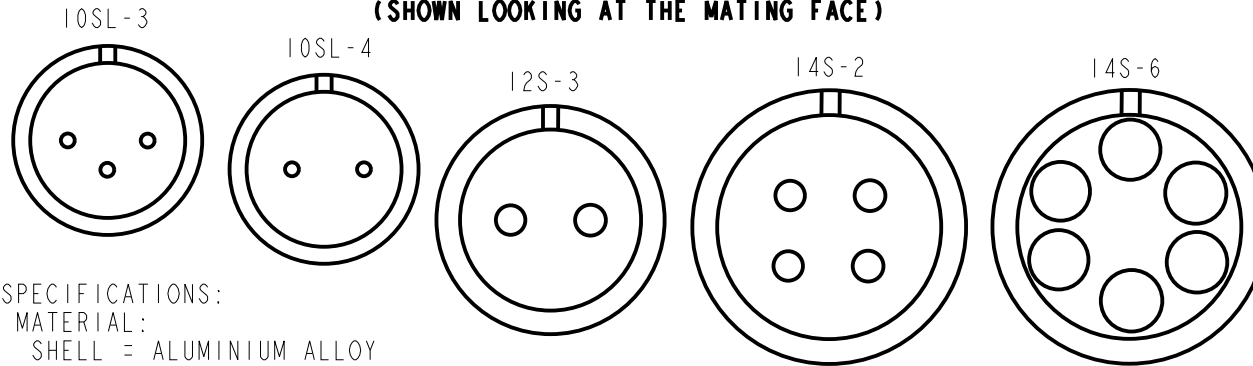
(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

CONTACT LAYOUT (SHOWN LOOKING AT THE MATING FACE)



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 SIZES = 1,000V AC

INSULATION RESISTANCE = 5,000M Ω MIN

FOR MECHANICAL/ELECTRICAL REQUIREMENTS,
SEE COMPONENT SPECIFICATION C045XX (LATEST ISSUE)

'C' THREAD

DIM 'A'

Ø DIM 'D'
SEE NOTE 4

Ø DIM 'B'

ORDER CODE:

C90-3106FXXXX-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. CABLE CLEARANCE.
5. RECOMMENDED WIRE STRIP LENGTH = 7.5mm.
6. RUBBER BUSHING SUPPLIED WITH CONNECTOR
- SEE TABLE FOR APPLICABLE PRODUCT

SHELL SIZE	DIM 'A' MAX	Ø DIM 'B'	'C' THREAD	Ø DIM 'D' MAX	RUBBER BUSHING
10SL	58.72	22.04	5/8-24UNEF	7.14	C90-3240-4
12S	58.72	25.40	3/4-20UNEF	7.14	C90-3240-4
14S	58.72	28.30	7/8-20UNEF	10.31	C90-3240-6

MGP	10	29.06.22	31681
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: MR			
DRAWN: R.ADDE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

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TOLERANCES

X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.20 mm
X.XXX = ± 0.01 mm

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE:

STRAIGHT PLUG

DRAWING NUMBER:

C90-3106FXXSX-XX

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[C90-3106F10SL-3P](#) [C90-3106F10SL-3S](#) [C90-3106F10SL-4P](#) [C90-3106F10SL-4S](#) [C90-3106F12S-3P](#) [C90-3106F12S-3S](#) [C90-3106F14S-2P](#) [C90-3106F14S-2S](#) [C90-3106F14S-6P](#) [C90-3106F14S-6S](#)