

6

5

4

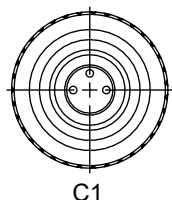
3

2

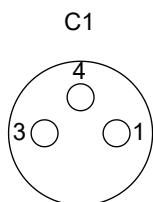
1

REVISION

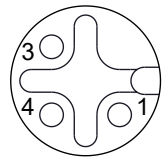
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13357	04/08/2024	AKRESOWSKI	DGUST



C1



C1

PIN ASSIGNMENTS
FRONT VIEW

C2

PIN ASSIGNMENTS
FRONT VIEW

NOTES:

ELECTRICAL:

- NOMINAL VOLTAGE: 300V
- OPERATING VOLTAGE: 60V DC MAX.
- OPERATING CURRENT PER CONTACT: 0.5A MAX.

APPLICATION:

- INGRESS PROTECTION RATING IS IP67 (MATED)
- RECOMMENDED TORQUE VALUE: 0.6Nm
- BEND RADIUS FIXED: 32.8mm MIN.
- BEND RADIUS MOBILE: 61.5mm MIN.
- TORSION STRESS: $\pm 180^\circ$ /meter.

ENVIRONMENTAL:

- TEMPERATURE RANGE FIXED: -25°C TO +80°C
- TEMPERATURE RANGE MOBILE: -25°C TO +70°C
- CABLE JACKET RESISTANCE: OIL
- CABLE JACKET FLAME RATING: HB (UL 94).

MISCELLANEOUS

- CABLE ASSEMBLY TO BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

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LC LG Rev-D5 Asize

6

5

4

3

2

1

LENGTH

M8 FEMALE 3-PIN,
A CODE CONNECTORUTP, 3-COND X 24 AWG UNSHIELDED
JACKET: DRAG CHAIN SUITABLE PUR, BLUE
NOM DIA .161 $\pm$.01 [4.1 $\pm$ 0.2]M12 MALE 3-PIN,
A CODE CONNECTOR

WIRING MAP

C1

1

3

4

C2 WIRE COLOR

1 BROWN

3 BLUE

4 BLACK

ITEM NUMBER	LENGTH METERS [FEET]	TOLERANCE INCH [mm]
TR8GA321-P4L-05M	0.5 [1.64]	+ 1.38 [35] - 0.59 [15]
TR8GA321-P4L-1M	1.0 [3.28]	+ 1.38 [35] - 0.79 [20]
TR8GA321-P4L-2M	2.0 [6.56]	+ 1.38 [35] - 1.18 [30]
TR8GA321-P4L-3M	3.0 [9.84]	+ 1.38 [35] - 1.18 [30]
TR8GA321-P4L-5M	5.0 [16.4]	± 2.36 [± 60]
TR8GA321-P4L-10M	10.0 [32.8]	± 2.36 [± 60]
TR8GA321-P4L-15M	15.0 [49.2]	± 3.15 [± 80]

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ± 2 [5]	FRACTIONS $\pm 1/32$
.XX = ± 0.02 [0.5]	ANGLES $\pm 1^\circ$
.XXX = ± 0.005 [0.13]	

CABLE LENGTH TOLERANCES:
≤ 12 [305] = ± 1 [25] / -0
>12 [305] ≤ 60 [1524] = ± 2 [51] / -0
>60 [1524] ≤ 120 [3048] = ± 4 [102] / -0
>120 [3048] ≤ 300 [7620] = ± 6 [152] / -0
>300 [7620] = $\pm 5\%$ / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE	SHEET 1 OF 1
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DESCRIPTION
M8 3-POSITION FEMALE TO M12 3-POSITION MALE, IP67 A-
CODE CABLE ASSEMBLY, UNSHIELDED 24AWG PUR JACKET,
BLUE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	VTHANGARAJ	TR8GA321-P4L	B