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REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	01/20/2025	DMAY	DGUTTADAURO

F

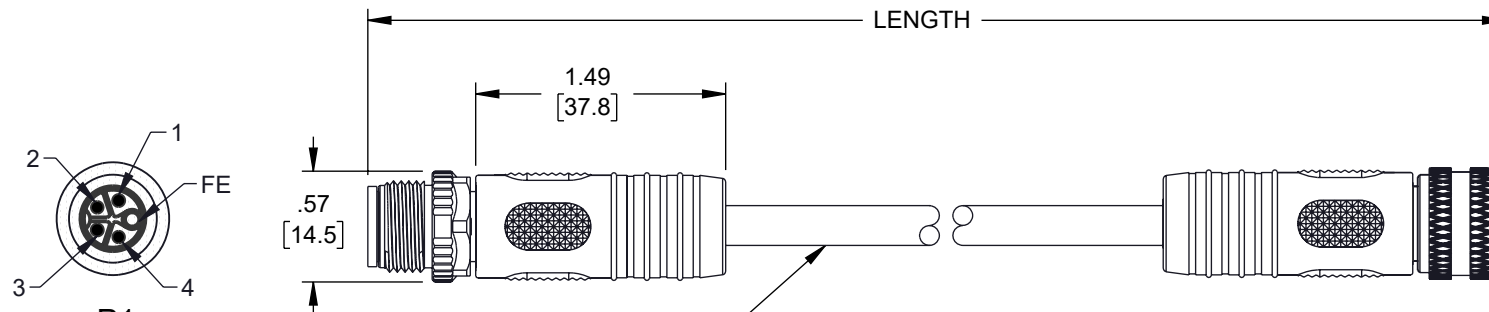
E

D

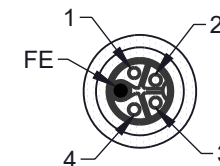
C

B

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P1
M12 MALE
K-CODED 5PIN
CONNECTOR



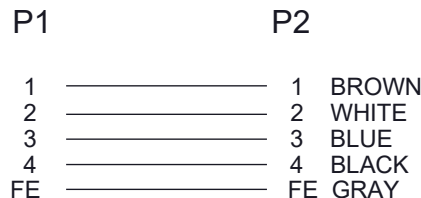
P2
M12 FEMALE
K-CODED 5PIN
CONNECTOR

NOTES:

- ELECTRICAL:
OPERATING VOLTAGE: 300V AC
CONTACT RESISTANCE: 30 mOHM MAX
OPERATING CURRENT PER CONTACT: 12A MAX
- APPLICATION:
INGRESS PROTECTION RATING IS IP67 (MATED)
RECOMMENDED TORQUE VALUE: 0.6 Nm
BEND RADIUS FIXED: MIN.8 X OUTER DIAMETER
BEND RADIUS MOBILE: MIN.15 X OUTER DIAMETER
TORSION SUPPORTED: 500,000 TIMES
DRAGCHAIN CAPABLE: 3,000,000 TIMES
- 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.

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

CONNECTION DIAGRAM



ITEM NUMBER	LENGTH [TOL.]	
	METERS [mm]	FEET [in]
TRGK502S-P6G-1M	1.0 [+35/-20]	3.28 [+1.38/- .79]
TRGK502S-P6G-5M	5.0 [±60]	16.40 [±2.36]

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

TOLERANCES:
X = ±.2 [5] FRACTIONS
.XX = ±.02 [0.5] ± 1/32
.XXX = ±.005 [0.13] ANGLES ± 1°

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] = +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	SHEET
NONE	1 OF 1

DESCRIPTION
M12 5 POSITION IP67 K-CODE AC POWER SHIELDED CABLE
ASSEMBLY, 16AWG 600V 16A, INDUSTRIAL DRAG CHAIN PUR
JACKET, MALE TO FEMALE, GRAY

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	TRGK502S-P6G	A