| MATERIAL NO. | ENGINEERING NO. | FINISHED LENGTH |
|---|---|---|
| 1300250321 | DND91A-M005 | 1 FT 7.7 IN (0.5 M) |
| 1300250631 | DND91A-M150 | 49 FT 2.5 IN (15 M) |
| 1300250633 | DND91A-M300 | 98 FT 5 IN (30 M) |

B

PART NO. MATRIX

DND91A-M010

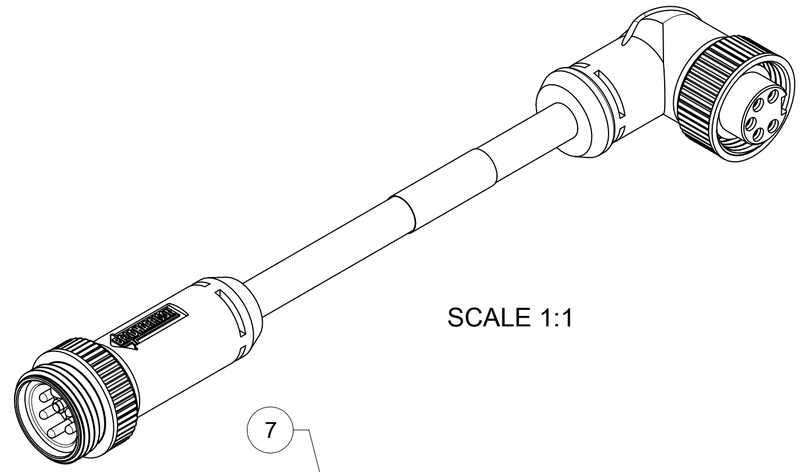
FINISHED LENGTH
M005= 0.5 METER
M010= 1 METER
M100= 10 METER

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [ +.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

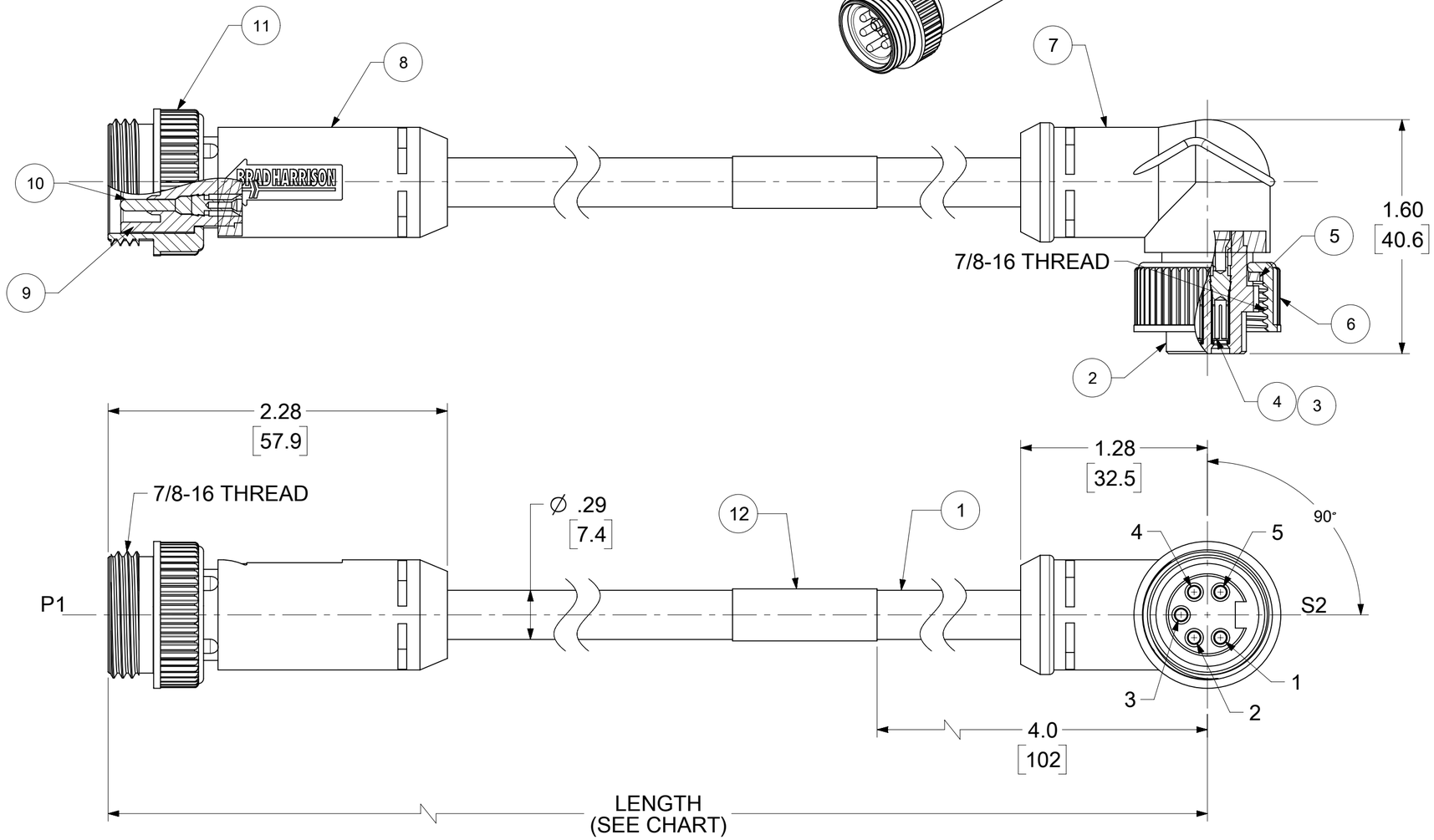
NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL SPECIFICATIONS
   VOLTAGE RATING: 300V PER IEC60664
   300V PER UL2238
   CURRENT RATING: 4A
4. TEMP RANGE: -20°C TO +80°C
5. PROTECTION: IP67 (WHEN MATED)
6. UL RECOGNIZED FILE: E152210
   CSA CERTIFIED FILE: LR6837
7. ALL DIMS SHOWN ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

## WIRING DIAGRAM

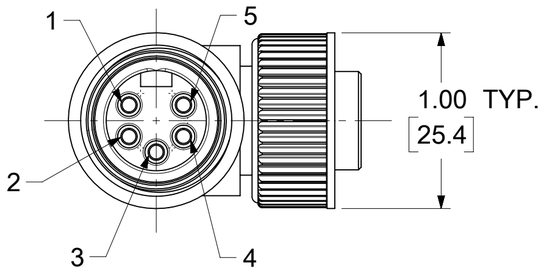
| P1 | | S2 |
|---|---|---|
| 1 | DRAIN | 1 |
| 2 | RED +V | 2 |
| 3 | BLACK -V | 3 |
| 4 | WHITE CAN H | 4 |
| 5 | BLUE CAN L | 5 |



SCALE 1:1




FEMALE FACE VIEW




MALE FACE VIEW

| ITEM | DESCRIPTION | MATERIAL | FINISH | |
|---|---|---|---|---|
| 12 | LABEL | VINYL | BLACK/YELLOW | |
| 11 | COUPLING NUT, MALE | ZINC DIE CAST | BLACK E-COAT | |
| 10 | CONTACT PIN, 22 AWG | COPPER ALLOY | SELECTIVE GOLD OVER NICKEL | |
| 9 | INSERT, MALE, 5 POLE | TPE | GRAY | B |
| 8 | OVERMOLD, STRAIGHT | TPE | GRAY | B |
| 7 | OVERMOLD, 90 DEG | TPE | GRAY | B |
| 6 | COUPLING NUT, FEMALE | ZINC DIE CAST | BLACK E-COAT | |
| 5 | FRICTION RING | NYLON | WHITE | |
| 4 | SOCKET SLEEVE | ST. STEEL | - | |
| 3 | CONTACT SOCKET , 22 AWG | COPPER ALLOY | SELECTIVE GOLD OVER NICKEL | |
| 2 | INSERT, FEMALE, 5 POLE | TPE | GRAY | B |
| 1 | CABLE, DEV-NET, DROP, 4/22 | PVC JACKET | GRAY | |

DOCUMENT STATUS: P1 | RELEASE DATE: 2020/11/18 23:03:28

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: INCH/MM | SCALE: 1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | MM | INCH |
|---|---|---|
| 4 PLACES | ± | ± |
| 3 PLACES | ± | ± |
| 2 PLACES | ± | ± |
| 1 PLACE | ± | ± |
| 0 PLACES | ± | ± |
| ANGULAR TOL | ± ° | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ITEM 2, 7, 8 & 9 WERE PVC & MATERIAL TABLE MODIFIED.

EC NO: 648668
DRWN: VBASUTHKARP 2020/05/25
CHK'D: RSTONE 2020/11/11
APPR: BWOODMAN 2020/11/18

INITIAL REVISION:
DRWN: RSTONE 2009/07/31
APPR: JFMURPHY 2009/08/10

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 130025

molex

MINI-CHANGE CORDSET, ASIZE, 5 POLE
MALE STR/FEM 90 DEG, SINGLE KEY, 22 AWG
DEV-NET DROP

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-130025-021 | PSD | 001 | B |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 1 OF 1 |

FORMAT: Eng-lega-master-tb-prod-C
REVISION: E
DATE: 2020/11/4