



FACE VIEW-MALE  
INSERT

NOTES:

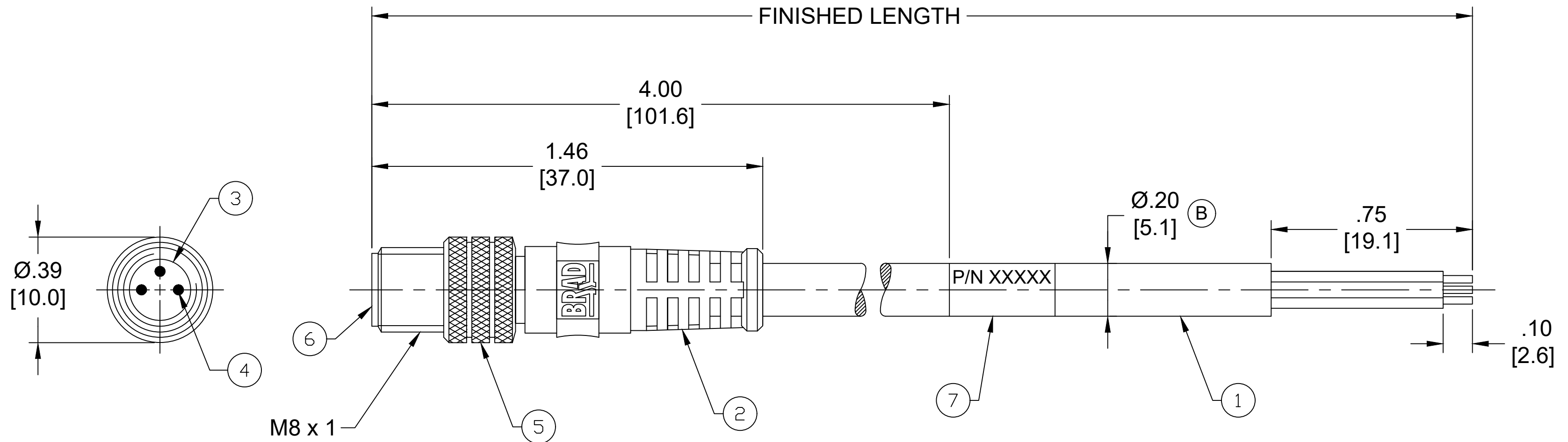
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:  
VOLTAGE : 60VAC/75VDC  
CURRENT: 4A
4. TEMP RATING: -20° TO +105°C (B)
5. PROTECTION: IP67 (WHEN MATED)
6. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

### MECHANICAL CHARACTERISTICS:

|                      |                                    |
|----------------------|------------------------------------|
| TORSIONAL FLEX TEST  | 10 MILLION CYCLES PER MIL-C-13777G |
| BEND FLEX TEST       | 10 MILLION CYCLES PER MIL-C-13777G |
| WELD SLAG RESISTANCE | WOODHEAD STANDARD S-300            |

|             |                  |                 |                  |
|-------------|------------------|-----------------|------------------|
| 7           | LABEL            | VINYL           | BLACK/YELLOW     |
| 6           | SLEEVE           | BRASS           | COPPER/NICKEL    |
| 5           | COUPLER          | BRASS           | NICKEL PLATED    |
| 4           | CONTACT          | COPPER ALLOY    | GOLD OVER NICKEL |
| 3           | INSERT           | PUR             | BLACK            |
| 2           | OVERMOLD         | TPC             | YELLOW           |
| 1           | CABLE #22-3 AWG  | TPE             | YELLOW           |
| <b>ITEM</b> | <b>COMPONENT</b> | <b>MATERIAL</b> | <b>FINISH</b>    |

| MATERIAL NUMBER | ENGINEERING NUMBER | FINISHED LENGTH   |
|-----------------|--------------------|-------------------|
| 1200868520      | 403006K05M010      | 1M [3 FT 3 IN]    |
| 1200868521      | 403006K05M020      | 2M [6 FT 7 IN]    |
| 1200868522      | 403006K05M050      | 5M [16 FT 5 IN]   |
| 1200868523      | 403006K05M100      | 10M [32 FT 10 IN] |



PART NO. MATRIX  
403006K05M010

LENGTH

M001 = .1 METER

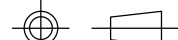
~~MQ19E~~ = 1 METER

~~RELEASE~~  
~~IN 100%~~  
~~RENO~~ 10 METER

(B)

## 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

|                                                      |                                                                                                                                               |       |       |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--|--------|--|---------------------------------------------------------------------------------------------------------------------|--|----------------|--|--------------|--|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |       |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | DIMENSION UNITS                                                                                                                               |       | SCALE |                                                                                       | CURRENT REV DESC: ITEM #2 WAS TPE. ITEM #7 WAS MYLAR. ADDED ITEM #6. TOL CHART& CABLE DIA. MODIFIED TEMP RATING & PN CHART. REMOVED UL & CSA. |         |  |        |  | <div>molex</div>                                                                                                    |  |                |  |              |  |
|                                                      | INCH/MM                                                                                                                                       |       | NTS   |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |       |       |                                                                                       | EC NO: 666551<br>DRWN: ABENJAMINLW 2021/04/06<br>CHK'D: RSTONE 2021/06/10<br>APPR: ----                                                       |         |  |        |  | NANO-CHANGE CORDSET<br>3 POLE, MALE, STRAIGHT, #22 AWG TPE                                                          |  |                |  |              |  |
|                                                      |                                                                                                                                               | mm    | INCH  |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | 4 PLACES                                                                                                                                      | ±---- | ±---- |                                                                                       | INITIAL REVISION:<br>DRWN: GGUSTAFS 2013/10/08<br>APPR: BWOODMAN 2013/11/20                                                                   |         |  |        |  | PRODUCT CUSTOMER DRAWING<br>DOCUMENT NUMBER<br>SD-120086-038<br>DOC TYPE<br>PSD<br>DOC PART<br>001<br>REVISION<br>B |  |                |  |              |  |
|                                                      | 3 PLACES                                                                                                                                      | ±---- | ±---- |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | 2 PLACES                                                                                                                                      | ±---- | ±---- |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | 1 PLACE                                                                                                                                       | ±---- | ±---- |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
|                                                      | 0 PLACES                                                                                                                                      | ±---- | ±---- |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
| ANGULAR TOL ± ---- °                                 |                                                                                                                                               |       |       |                                                                                       |                                                                                                                                               |         |  |        |  |                                                                                                                     |  |                |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               |       |       | THIRD ANGLE PROJECTION                                                                |                                                                                                                                               | DRAWING |  | SERIES |  | MATERIAL NUMBER                                                                                                     |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                      |                                                                                                                                               |       |       |  |                                                                                                                                               | C-SIZE  |  | 120086 |  | SEE CHART                                                                                                           |  | GENERAL MARKET |  | 1 OF 1       |  |