

NOTES :

ELECTRICAL DATA :

VOLTAGE RATING 4P A-CODE - 250V  
5P A-CODE - 60V

AMPERAGE RATING : 4A

INSULATION RESISTANCE : 10<sup>8</sup>ΩMIN.

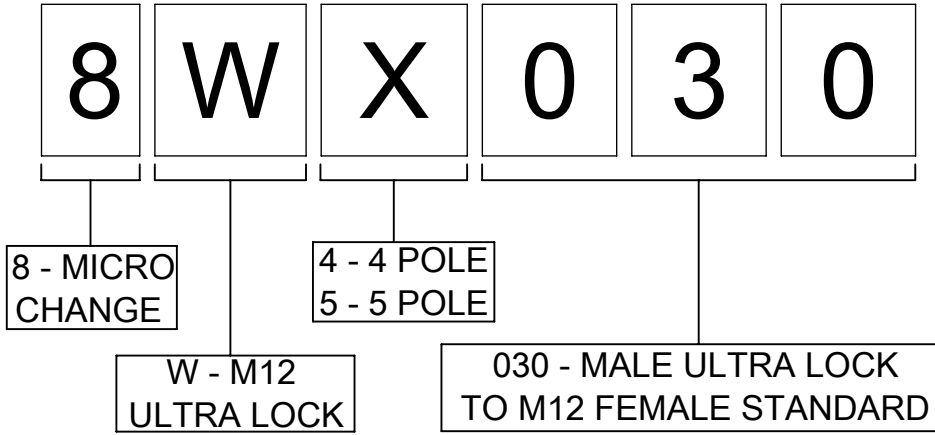
MATING CYCLES : MAX. 100

ENIVRONMENTAL :

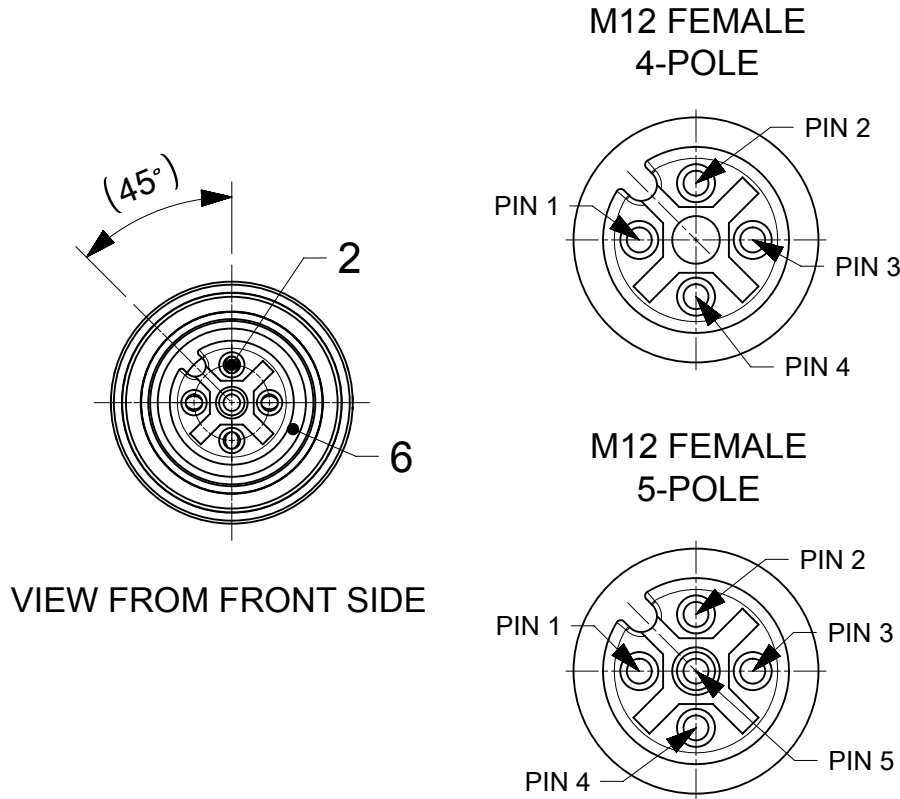
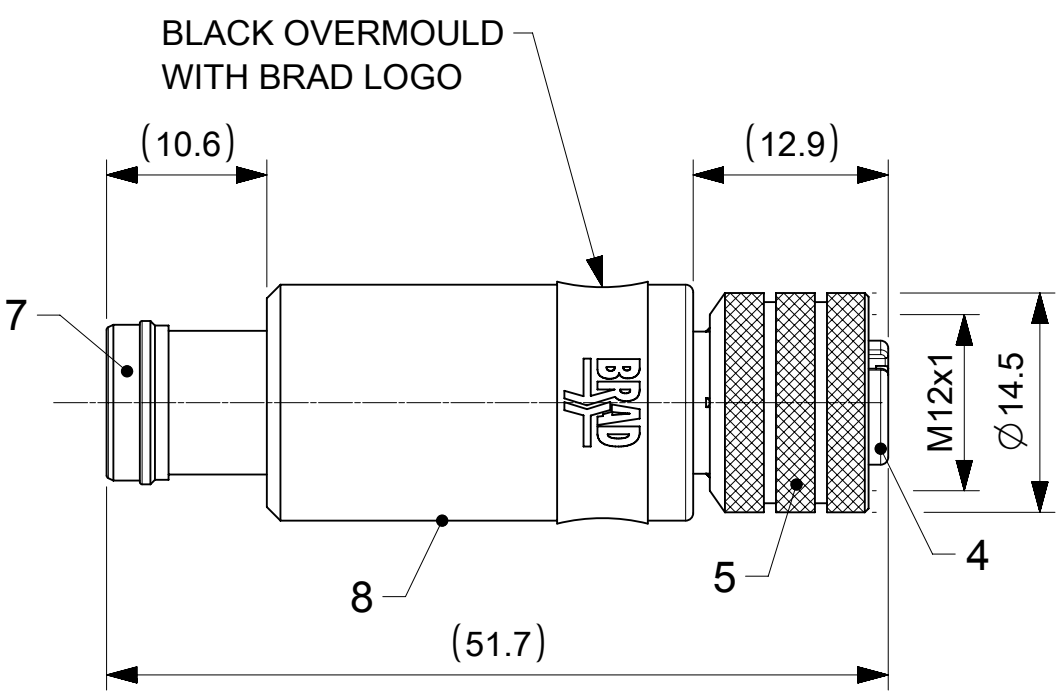
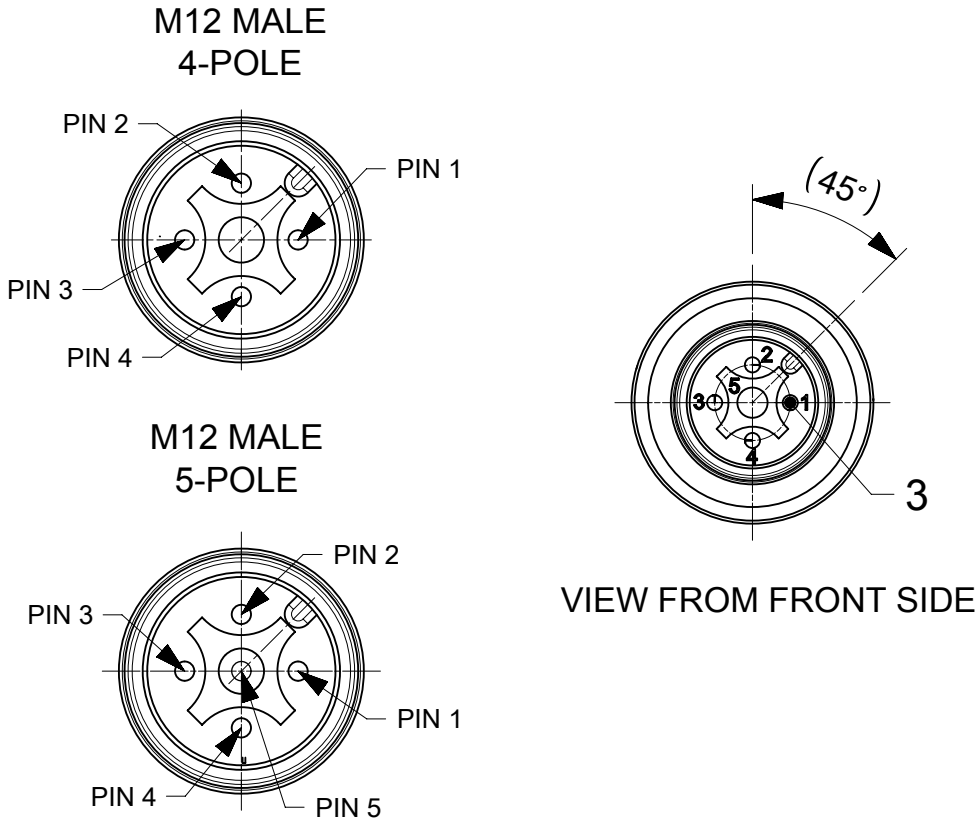
PROTECTION : IP67

OPERATING TEMPERATURE : -25°C TO +85°C

PART No MATRIX



| WIRING DIAGRAM                                                                                  |        |                                                                                                 |        |
|-------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|--------|
| 5 POLE                                                                                          |        | 4 POLE                                                                                          |        |
| MALE                                                                                            | FEMALE | MALE                                                                                            | FEMALE |
| ULTRA LOCK                                                                                      | M12x1  | ULTRA LOCK                                                                                      | M12x1  |
| PIN 1  WHITE | PIN 1  | PIN 1  WHITE | PIN 1  |
| PIN 2  BROWN | PIN 2  | PIN 2  BROWN | PIN 2  |
| PIN 3  BLUE  | PIN 3  | PIN 3  BLUE  | PIN 3  |
| PIN 4  BLACK | PIN 4  | PIN 4  BLACK | PIN 4  |
| PIN 5  GRAY  | PIN 5  |                                                                                                 |        |



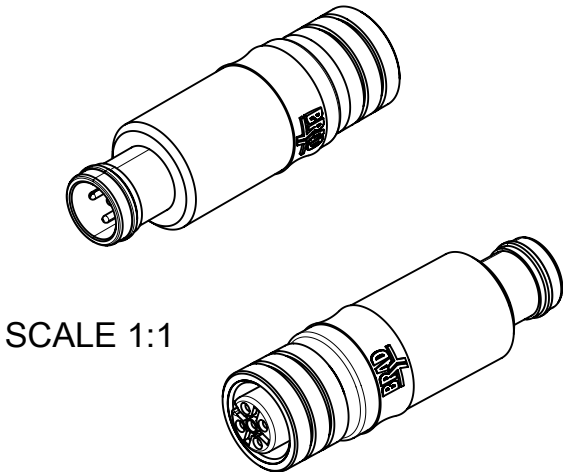
BOM

| 4P | 5P | ITEM No. | QTY. | DESCRIPTION         | MATERIAL | FINISH/COLOR                    |
|----|----|----------|------|---------------------|----------|---------------------------------|
| X  | X  | 1        | -    | WIRES 22AWG         | PVC      | BROWN<br>BLUE<br>WHITE<br>BLACK |
| X  | X  | 2        | 4/5  | CONTACT FEMALE      | BRONZE   | GOLD OVER<br>Ni-PLATED          |
| X  | X  | 3        | 4/5  | CONTACT MALE        | COPPER   | GOLD OVER<br>Ni-PLATED          |
| X  |    | 4        | 1    | INSERT M12 FE 4P AC | TPU      | BLACK                           |
| X  | X  | 5        | 1    | COUPLING NUT M12 FE | BRASS    | Ni-PLATED                       |
|    |    | 6        | 1    | GASKET              | FPM      | RED                             |
| X  |    | 7        | 1    | INSERT U12 MALE 4P  | PA66     | BLACK                           |
|    | X  |          |      | INSERT U12 MALE 5P  |          |                                 |
| X  | X  | 8        | -    | OVERMOULD           | TPU      | BLACK                           |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2019/10/14 | 11:50:48 |
|-----------------|----|--------------|------------|----------|

PART LIST

| MOLEX PN   | ENGINEERING No. | NO. OF POLES |
|------------|-----------------|--------------|
| 1200850001 | 8W4030          | 4            |
| 1200765013 | 8W5030          | 5            |



SCALE 1:1

| SYMBOLS                                                                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  = 0 | DIMENSION UNITS                                                                                                                               |
|  = 0 | SCALE                                                                                                                                         |
|  = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |
|  = 0 | ANGULAR TOL ± 1.0°                                                                                                                            |
|  = 0 | 4 PLACES ±                                                                                                                                    |
|  = 0 | 3 PLACES ±                                                                                                                                    |
|  = 0 | 2 PLACES ± 0.05                                                                                                                               |
|  = 0 | 1 PLACE ± 0.3                                                                                                                                 |
|  = 0 | 0 PLACES ± 0.5                                                                                                                                |
|  = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |
|  = 0 | THIRD ANGLE PROJECTION                                                                                                                        |
|                                                                                           | CURRENT REV DESC:                                                                                                                             |
|                                                                                           | EC NO: 625599                                                                                                                                 |
|                                                                                           | DRWN: SSM 2019/10/10                                                                                                                          |
|                                                                                           | CHK'D: RSILLER 2019/10/14                                                                                                                     |
|                                                                                           | APPR: RSILLER 2019/10/14                                                                                                                      |
|                                                                                           | INITIAL REVISION:                                                                                                                             |
|                                                                                           | DRWN: SSM 2019/10/10                                                                                                                          |
|                                                                                           | APPR: RSILLER 2019/10/14                                                                                                                      |
|                                                                                           | DRAWING                                                                                                                                       |
|                                                                                           | SERIES                                                                                                                                        |
|                                                                                           | MATERIAL NUMBER                                                                                                                               |
|                                                                                           | CUSTOMER                                                                                                                                      |
|                                                                                           | SHEET NUMBER                                                                                                                                  |

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|