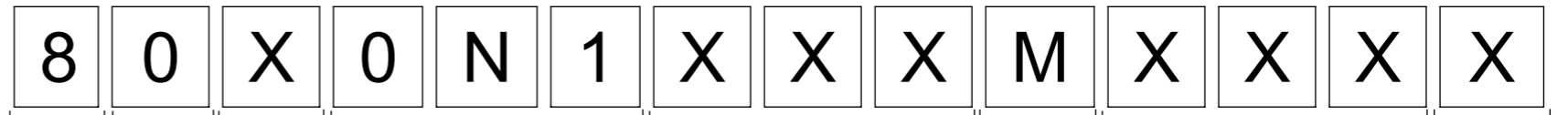


PART No. MATRIX



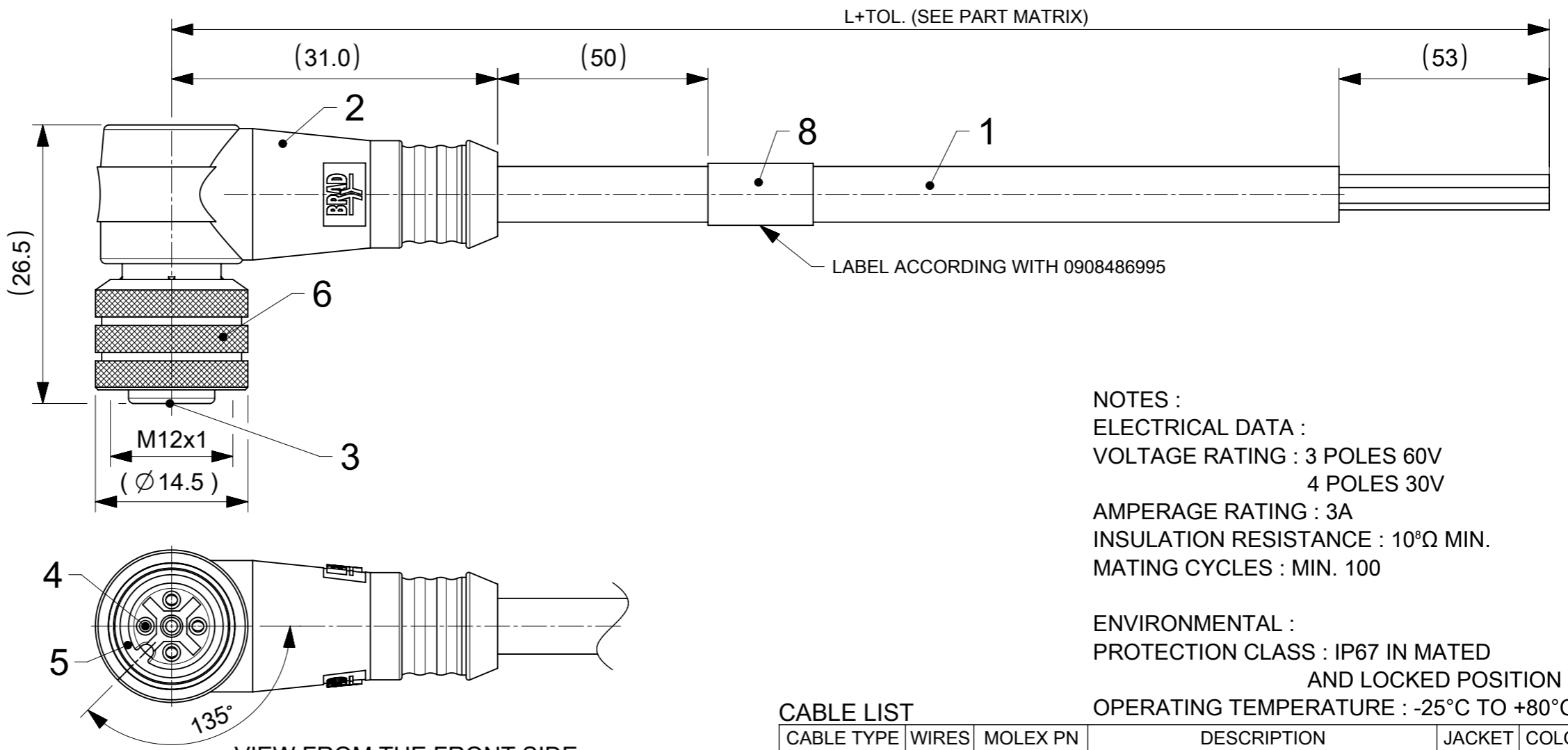
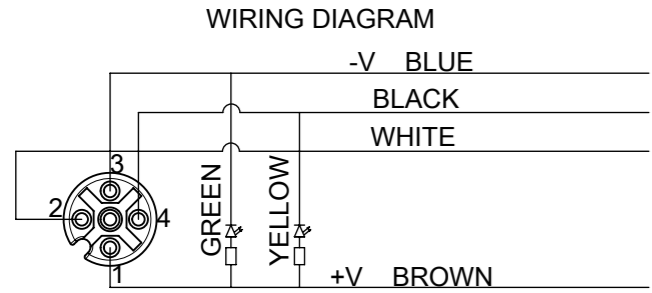
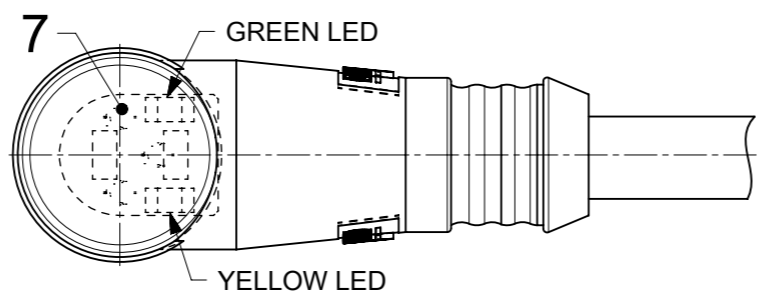
8=Micro Change 0=Portable Change 3= 3P 4= 4P 0N1 = 0N1 Female 90°

Cable Type - See table of cable types

M=Metres
F=Feet

Length
020=2 METRES
050=5 METRES
200=20 METRES

Coupling Nut material
Blank=Standard
1=Stainless Steel
5=Delrin



PART LIST

| ITEM NO. | MOLEX PN | ENGINEERING NO | L+TOL [mm] |
|----------|------------|----------------|------------|
| 1 | 1200675007 | 8030N1P03M020 | 2000+89 |
| 2 | 1200675062 | 8040N1P03M020 | 2000+89 |
| 3 | 1200678013 | 8030N1E03M020 | 2000+89 |
| 4 | 1200678014 | 8030N1E03M030 | 3000+89 |
| 5 | 1200678015 | 8030N1E03M050 | 5000+165 |
| 6 | 1200678016 | 8030N1P03M050 | 5000+165 |
| 7 | 1200678285 | 8040N1P03M030 | 3000+89 |
| 8 | 1200678286 | 8040N1P03M050 | 5000+165 |

NOTES :

ELECTRICAL DATA :

VOLTAGE RATING : 3 POLES 60V
4 POLES 30V

AMPERAGE RATING : 3A

INSULATION RESISTANCE : 10⁸Ω MIN.

MATING CYCLES : MIN. 100

ENVIRONMENTAL :

PROTECTION CLASS : IP67 IN MATED
AND LOCKED POSITION

OPERATING TEMPERATURE : -25°C TO +80°C

BOM

| ITEM | QTY | DESCRIPITON | MATERIAL | FINISH/ COLOR |
|------|-----|--|----------------|-------------------------------|
| 8 | 1 | LABEL | VINYL | YELLOW |
| 7 | 1 | PCB-LED NPN | - | - |
| 6 | 1 | M12 FEMALE NUT | BRASS | Ni-PLATED |
| 5 | 1 | GASKET 7.1X1.35 M12 | FPM | RED |
| 4 | 3/4 | CONTACT 10 FE | BRONZE | SELECTIVE GOLD OVER Ni-PLATED |
| 3 | 1 | INSERT M12 FE FOR 3POLE INSERT M12 FE FOR 4POLE | PUR | BLACK |
| 2 | - | MOULDING MATERIAL | TPU | TRANSPARENT |
| 1 | - | CABLE 3x0.34MM | SEE CABLE LIST | SEE CABLE LIST |

TABLE OF LENGHT TOLERANCES (mm)

| OVER | UP TO AND INCLUDING | TOLERANCE |
|-------|---------------------|---------------|
| 0 | 305 | +19 |
| 305 | 915 | +45 |
| 915 | 1830 | +56 |
| 1830 | 3660 | +89 |
| 3660 | 7320 | +165 |
| 7320 | 14640 | +317 |
| 14640 | 30500 | +610 |
| 30500 | > | +2% OF LENGTH |

CABLE LIST

| CABLE TYPE | WIRES | MOLEX PN | DESCRIPTION | JACKET | COLOR |
|------------|-------|------------|---------------------------------|--------|-------|
| E03 | 3 | 1202090001 | 3X0.34MM;UNSH;RAL9005;OD=4.90MM | PVC | BLACK |
| P03 | 3 | 1202090003 | 3X0.34MM;UNSH;RAL9005;OD=5.30MM | PUR | BLACK |
| P03 | 4 | 1202090004 | 4X0.34MM;UNSH;RAL9005;OD=5.30MM | PUR | BLACK |

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

FUNCTIONAL SYMBOLS

ANGULAR TOL ± 1.0°

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DIVISIONAL SYMBOLS

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING A3-SIZE

SERIES 120067

EC NO: 704243

DRWN: MDHARMANTI 2022/04/14

CHK'D: RSILLER 2022/04/22

APPR: RSILLER 2022/04/22

INITIAL REVISION:

DRWN: MDHARMANTI 2022/04/14

APPR: RSILLER 2022/04/22

CURRENT REV DESC: MIGRATED AND REVISED

molex

CSE M12 XP AC FE RA LED NPN XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER 1200675007

DOC TYPE PSD

DOC PART 000

REVISION A

MATERIAL NUMBER SEE PART LIST

CUSTOMER GENERAL MARKET

SHEET NUMBER 1 OF 1