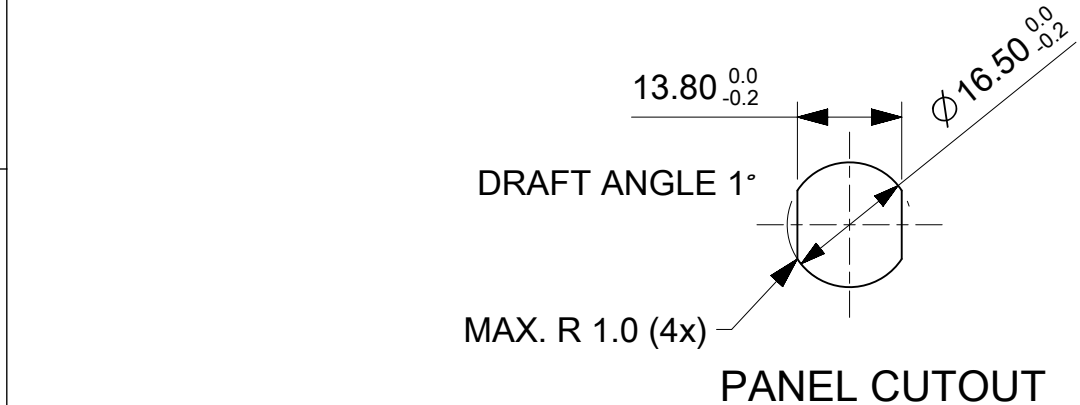
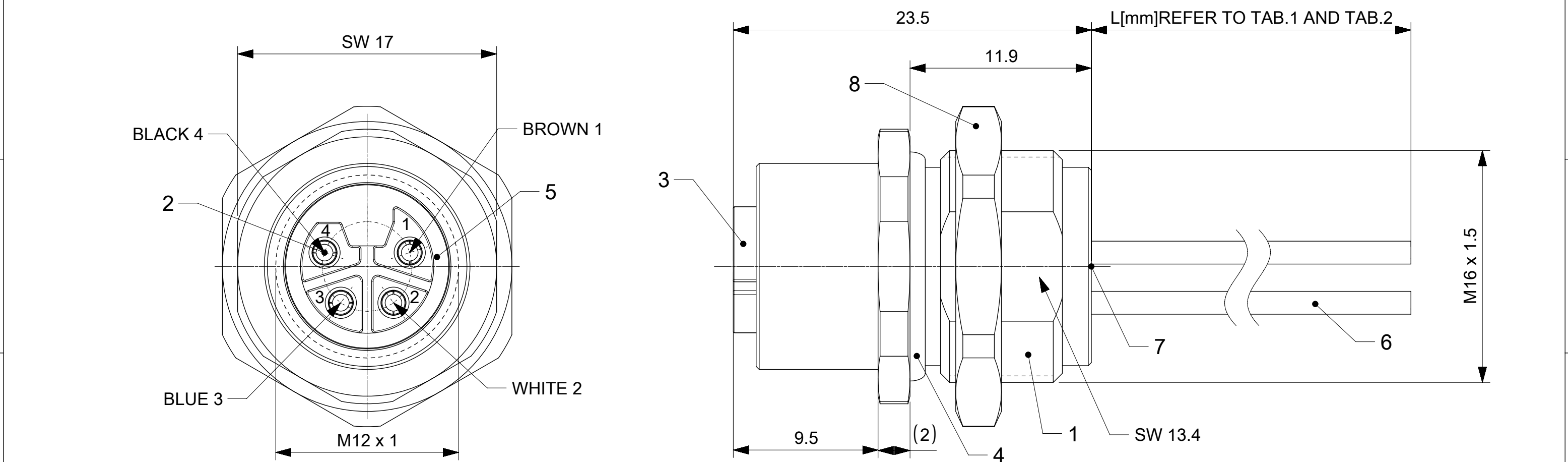




TECHNICAL DATA:

CONTACT Ø: 1.5mm  
RATED VOLTAGE: 63V AC/DC  
RATED CURRENT: SEE TAB.1 / TAB.2  
OVERVOLTAGE CATEGORIE: 3  
POLLUTION DEGREE: 3  
DIELECTRIC STRENGTH: 1500V  
CONTACT RESITANCE: ≤ 5mΩ  
INSULATION RESISTANCE: MIN: 10<sup>8</sup> Ω

IP RATING: IP67 (connected condition)  
TEMPERATURE RANGE: -25°C bis +85°C

PACKAGING:  
THE RECEPTACLE ARE PACKED IN PLASTIC BAGS  
AND DELIVERED IN CARTON BOXES

| TABLE 1: CABLE LENGTH  |                |                                      |        |           |                |  |
|------------------------|----------------|--------------------------------------|--------|-----------|----------------|--|
| NOMINAL SECTION 1,5mm² |                |                                      |        |           |                |  |
| MATERIAL NO.           | ENG. NO.       | Description                          | L [mm] | TOL. [mm] | RATED CUR. [A] |  |
| 1205020028             | LRP4U20L15M005 | REC M12 4P LC FE M16 FM 0.5M WIR 1.5 | 500    | +40       | 12             |  |
| 1205020029             | LRP4U20L15M002 | REC M12 4P LC FE M16 FM 0.2M WIR 1.5 | 200    | +40       | 12             |  |
| 1205020048             | LRP4U20L15M010 | REC M12 4P LC FE M16 FM 1.0M WIR 1.5 | 1000   | +40       | 12             |  |
| 1205020049             | LRP4U20L15M020 | REC M12 4P LC FE M16 FM 2.0M WIR 1.5 | 2000   | +60       | 12             |  |

| TABLE 2: CABLE LENGTH  |                |                                      |        |           |                |  |
|------------------------|----------------|--------------------------------------|--------|-----------|----------------|--|
| NOMINAL SECTION 2,5mm² |                |                                      |        |           |                |  |
| MATERIAL NO.           | ENG. NO.       | Description                          | L [mm] | TOL. [mm] | RATED CUR. [A] |  |
| 1205020032             | LRP4U20L25M005 | REC M12 4P LC FE M16 FM 0.5M WIR 2.5 | 500    | +40       | 16             |  |
| 1205020033             | LRP4U20L25M002 | REC M12 4P LC FE M16 FM 0.2M WIR 2.5 | 200    | +40       | 16             |  |
| 1205020052             | LRP4U20L25M010 | REC M12 4P LC FE M16 FM 1.0M WIR 2.5 | 1000   | +40       | 16             |  |
| 1205020053             | LRP4U20L25M020 | REC M12 4P LC FE M16 FM 2.0M WIR 2.5 | 2000   | +60       | 16             |  |

| TABLE 3: BOM |                    |          |         |
|--------------|--------------------|----------|---------|
| POS          | DESCRIPTION        | MATERIAL | FINISH  |
| 1            | SHELL M16FE        | BRASS    | Ni      |
| 2            | CONTACT 15 FE      | BRASS    | Au      |
| 3            | INSERT             | PA       | BLACK   |
| 4            | O-RING             | NBR      | BLACK   |
| 5            | O-RING             | FPM      | BLACK   |
| 6            | WIRE 16AWG / 14AWG | PVC      | -       |
| 7            | POTTING MATERIAL   | RESIN    | NATURAL |
| 8            | HEX NUT            | BRASS    | Ni      |

FUNCTIONAL SYMBOLS

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

CURRENT REV DESC: UPDATED ENGINEERING KEY FOR L-CODE FEMALE RECEPTACLES FROM U24 TO U20 IN FGS'

EC NO: 788671

DRWN: VHANDI

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: NFRITZEN

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

DIMENSION UNITS

mm

SCALE

4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DOCUMENT NUMBER

1205020028

DOC TYPE

PSD

DOC PART

000

REVISION

A2

SEE TABLE

GENERAL MARKET

1 OF 1