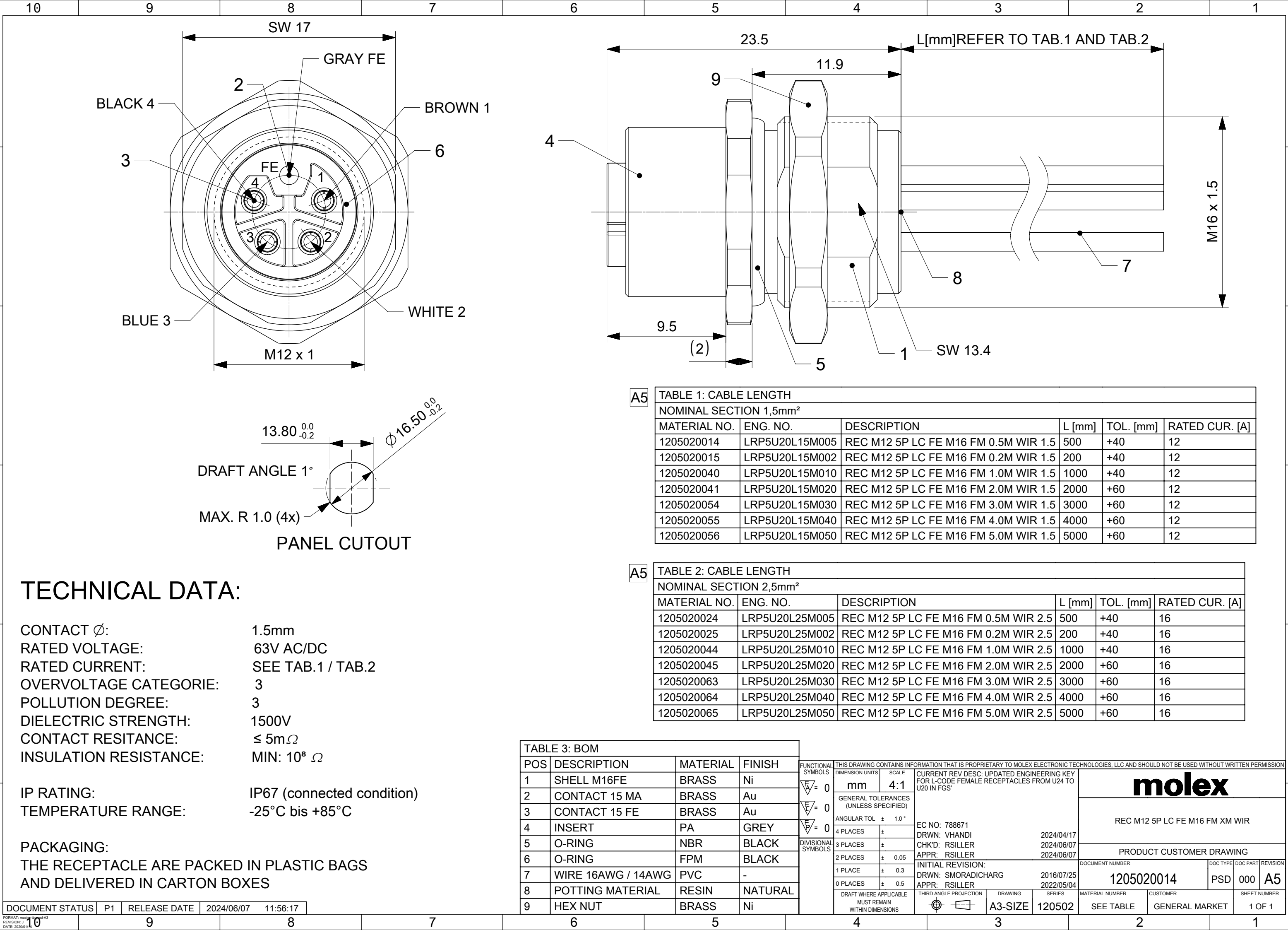




TECHNICAL DATA:

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

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| TABLE 1: CABLE LENGTH  |                |                                      |        |           |                |  |
|------------------------|----------------|--------------------------------------|--------|-----------|----------------|--|
| NOMINAL SECTION 1,5mm² |                |                                      |        |           |                |  |
| MATERIAL NO.           | ENG. NO.       | DESCRIPTION                          | L [mm] | TOL. [mm] | RATED CUR. [A] |  |
| 1205020014             | LRP5U20L15M005 | REC M12 5P LC FE M16 FM 0.5M WIR 1.5 | 500    | +40       | 12             |  |
| 1205020015             | LRP5U20L15M002 | REC M12 5P LC FE M16 FM 0.2M WIR 1.5 | 200    | +40       | 12             |  |
| 1205020040             | LRP5U20L15M010 | REC M12 5P LC FE M16 FM 1.0M WIR 1.5 | 1000   | +40       | 12             |  |
| 1205020041             | LRP5U20L15M020 | REC M12 5P LC FE M16 FM 2.0M WIR 1.5 | 2000   | +60       | 12             |  |
| 1205020054             | LRP5U20L15M030 | REC M12 5P LC FE M16 FM 3.0M WIR 1.5 | 3000   | +60       | 12             |  |
| 1205020055             | LRP5U20L15M040 | REC M12 5P LC FE M16 FM 4.0M WIR 1.5 | 4000   | +60       | 12             |  |
| 1205020056             | LRP5U20L15M050 | REC M12 5P LC FE M16 FM 5.0M WIR 1.5 | 5000   | +60       | 12             |  |

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| TABLE 2: CABLE LENGTH  |                |                                      |        |           |                |  |
|------------------------|----------------|--------------------------------------|--------|-----------|----------------|--|
| NOMINAL SECTION 2,5mm² |                |                                      |        |           |                |  |
| MATERIAL NO.           | ENG. NO.       | DESCRIPTION                          | L [mm] | TOL. [mm] | RATED CUR. [A] |  |
| 1205020024             | LRP5U20L25M005 | REC M12 5P LC FE M16 FM 0.5M WIR 2.5 | 500    | +40       | 16             |  |
| 1205020025             | LRP5U20L25M002 | REC M12 5P LC FE M16 FM 0.2M WIR 2.5 | 200    | +40       | 16             |  |
| 1205020044             | LRP5U20L25M010 | REC M12 5P LC FE M16 FM 1.0M WIR 2.5 | 1000   | +40       | 16             |  |
| 1205020045             | LRP5U20L25M020 | REC M12 5P LC FE M16 FM 2.0M WIR 2.5 | 2000   | +60       | 16             |  |
| 1205020063             | LRP5U20L25M030 | REC M12 5P LC FE M16 FM 3.0M WIR 2.5 | 3000   | +60       | 16             |  |
| 1205020064             | LRP5U20L25M040 | REC M12 5P LC FE M16 FM 4.0M WIR 2.5 | 4000   | +60       | 16             |  |
| 1205020065             | LRP5U20L25M050 | REC M12 5P LC FE M16 FM 5.0M WIR 2.5 | 5000   | +60       | 16             |  |

| TABLE 3: BOM |                    |          |         |
|--------------|--------------------|----------|---------|
| POS          | DESCRIPTION        | MATERIAL | FINISH  |
| 1            | SHELL M16FE        | BRASS    | Ni      |
| 2            | CONTACT 15 MA      | BRASS    | Au      |
| 3            | CONTACT 15 FE      | BRASS    | Au      |
| 4            | INSERT             | PA       | GREY    |
| 5            | O-RING             | NBR      | BLACK   |
| 6            | O-RING             | FPM      | BLACK   |
| 7            | WIRE 16AWG / 14AWG | PVC      | -       |
| 8            | POTTING MATERIAL   | RESIN    | NATURAL |
| 9            | 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' |  | molex                          |  |
|------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------|--|--------------------------------|--|
| SCALE                                                |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  | ANGULAR TOL ± 1.0°                                                                              |  | REC M12 5P LC FE M16 FM XM WIR |  |
| DIVISIONAL SYMBOLS                                   |  | 4 PLACES ±                                                                                                                                    |  | 3 PLACES ±                                                                                      |  | PRODUCT CUSTOMER DRAWING       |  |
| 2 PLACES ± 0.05                                      |  | 1 PLACE ± 0.3                                                                                                                                 |  | 0 PLACES ± 0.5                                                                                  |  | INITIAL REVISION:              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION                                                                                                                        |  | DRAWING                                                                                         |  | SERIES                         |  |
| A3-SIZE                                              |  | 120502                                                                                                                                        |  | MATERIAL NUMBER                                                                                 |  | CUSTOMER                       |  |
| SEE TABLE                                            |  | GENERAL MARKET                                                                                                                                |  | SHEET NUMBER                                                                                    |  | 1 OF 1                         |  |