



PANEL CUTOUT

### TECHNICAL DATA:

CONTACT  $\phi$ : 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:  $\leq 5m\Omega$   
 INSULATION RESISTANCE: MIN:  $10^8 \Omega$

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 1,5mm<sup>2</sup>

| MATERIAL NO. | ENG. NO.       | DESCRIPTION                          | L [mm] | TOL. [mm] | RATED CUR. [A] |
|--------------|----------------|--------------------------------------|--------|-----------|----------------|
| 1205020014   | LRP5U24L15M005 | REC M12 5P LC FE M16 FM 0.5M WIR 1.5 | 500    | +40       | 12             |
| 1205020015   | LRP5U24L15M002 | REC M12 5P LC FE M16 FM 0.2M WIR 1.5 | 200    | +40       | 12             |
| 1205020040   | LRP5U24L15M010 | REC M12 5P LC FE M16 FM 1.0M WIR 1.5 | 1000   | +40       | 12             |
| 1205020041   | LRP5U24L15M020 | REC M12 5P LC FE M16 FM 2.0M WIR 1.5 | 2000   | +60       | 12             |

TABLE 2: CABLE LENGTH

NOMINAL SECTION 2,5mm<sup>2</sup>

| MATERIAL NO. | ENG. NO.       | DESCRIPTION                          | L [mm] | TOL. [mm] | RATED CUR. [A] |
|--------------|----------------|--------------------------------------|--------|-----------|----------------|
| 1205020024   | LRP5U24L25M005 | REC M12 5P LC FE M16 FM 0.5M WIR 2.5 | 500    | +40       | 16             |
| 1205020025   | LRP5U24L25M002 | REC M12 5P LC FE M16 FM 0.2M WIR 2.5 | 200    | +40       | 16             |
| 1205020044   | LRP5U24L25M010 | REC M12 5P LC FE M16 FM 1.0M WIR 2.5 | 1000   | +40       | 16             |
| 1205020045   | LRP5U24L25M020 | REC M12 5P 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 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:  |                 | <b>molex</b>                   |                |              |
|  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SCALE                  | CURRENT REV DESC:  |                 |                                |                |              |
| $\nabla_A = 0$                                       | mm  | 4:1                    | EC NO: 735108      |                 | REC M12 5P LC FE M16 FM XM WIR |                |              |
| $\nabla_E = 0$                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                        | DRWN: NFRITZEN     |                 |                                |                |              |
| $\nabla_V = 0$                                       | ANGULAR TOL $\pm 1.0^\circ$   |                        | 2022/05/04         |                 |                                |                |              |
| DIVISIONAL SYMBOLS                                   | 4 PLACES  | $\pm$                  | CHK'D: RSILLER     |                 | PRODUCT CUSTOMER DRAWING       |                |              |
|  | 3 PLACES  | $\pm$                  | APPR: RSILLER      |                 |                                |                |              |
|  | 2 PLACES  | $\pm 0.05$             | INITIAL REVISION:  |                 |                                |                |              |
|  | 1 PLACE   | $\pm 0.3$              | DRWN: SMORADICHARG |                 |                                |                |              |
| 0 PLACES   | $\pm 0.5$   | APPR: RSILLER          |                    | DOCUMENT NUMBER | DOC TYPE                       | DOC PART       | REVISION     |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   | THIRD ANGLE PROJECTION | DRAWING            | SERIES          | MATERIAL NUMBER                | CUSTOMER       | SHEET NUMBER |
|  |   |                        | A3-SIZE            | 120502          | 1205020014                     | GENERAL MARKET | 1 OF 1       |