

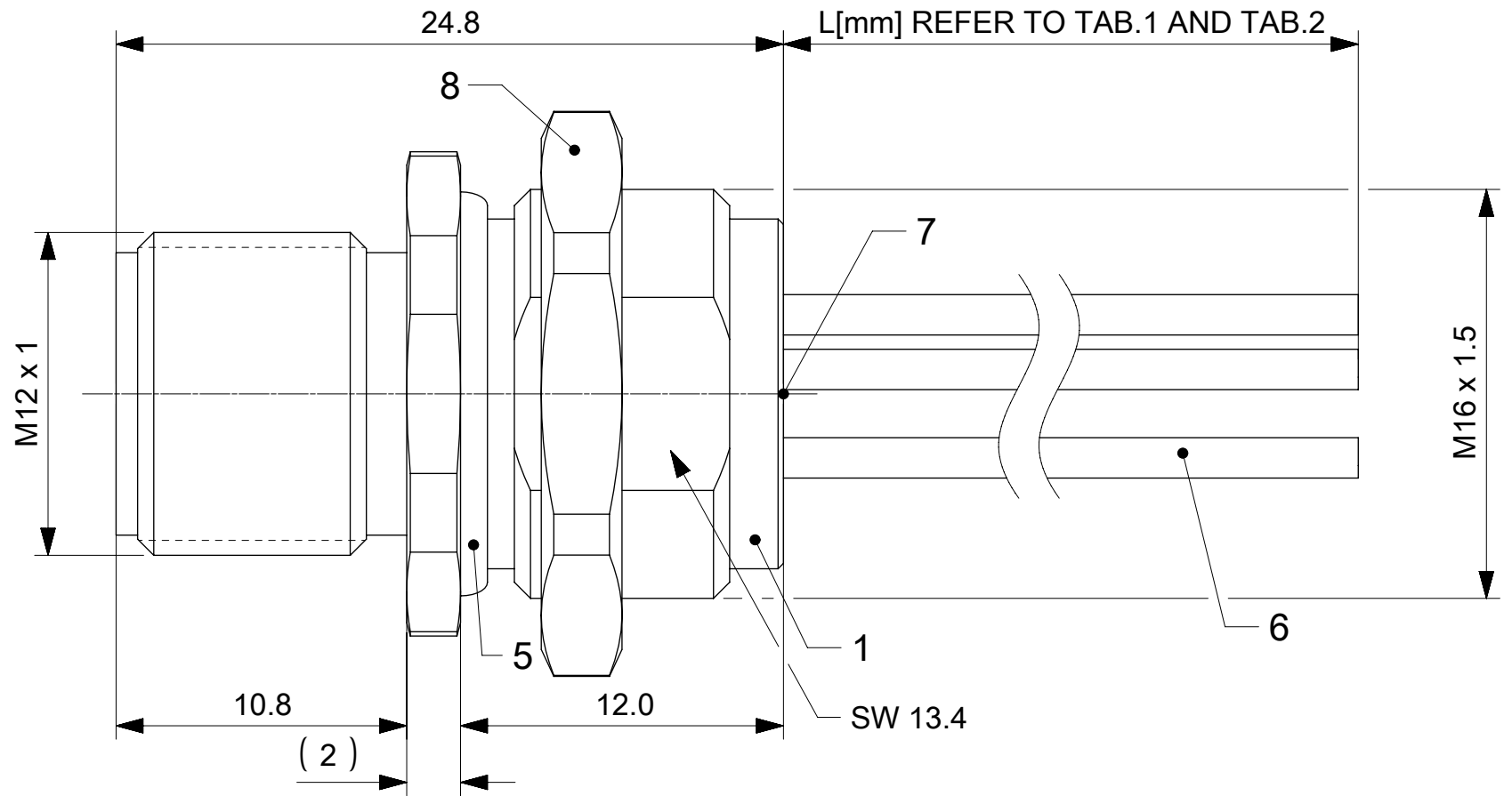
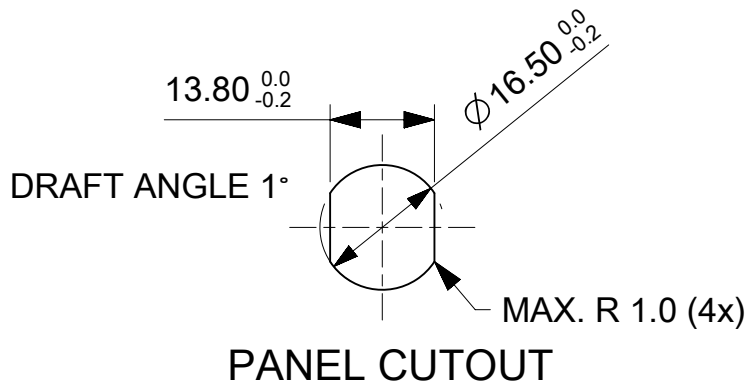
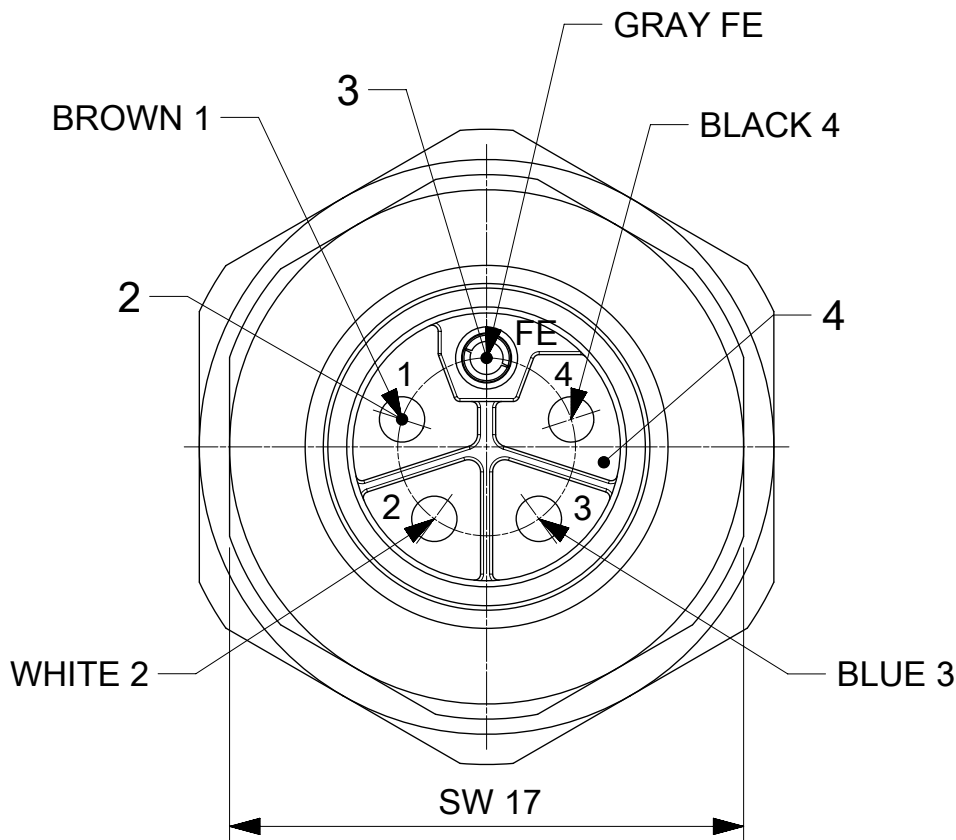


TABLE 1: CABLE LENGTH

| NOMINAL SECTION 1,5mm <sup>2</sup> |                |                                      |        |           |                |
|------------------------------------|----------------|--------------------------------------|--------|-----------|----------------|
| MATERIAL NO.                       | ENG. NO.       | DESCRIPTION                          | L [mm] | TOL. [mm] | RATED CUR. [A] |
| 1205020012                         | LRP5U26L15M005 | REC M12 5P LC MA M16 FM 0.5M WIR 1.5 | 500    | +40       | 12             |
| 1205020013                         | LRP5U26L15M002 | REC M12 5P LC MA M16 FM 0.2M WIR 1.5 | 200    | +40       | 12             |
| 1205020038                         | LRP5U26L15M010 | REC M12 5P LC MA M16 FM 1.0M WIR 1.5 | 1000   | +40       | 12             |
| 1205020039                         | LRP5U26L15M020 | REC M12 5P LC MA M16 FM 2.0M WIR 1.5 | 2000   | +60       | 12             |
| 1205020057                         | LRP5U26L15M030 | REC M12 5P LC MA M16 FM 3.0M WIR 1.5 | 3000   | +60       | 12             |
| 1205020058                         | LRP5U26L15M040 | REC M12 5P LC MA M16 FM 4.0M WIR 1.5 | 4000   | +60       | 12             |
| 1205020059                         | LRP5U26L15M050 | REC M12 5P LC MA M16 FM 5.0M WIR 1.5 | 5000   | +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] |
| 1205020022                         | LRP5U26L25M005 | REC M12 5P LC MA M16 FM 0.5M WIR 2.5 | 500    | +40       | 16             |
| 1205020023                         | LRP5U26L25M002 | REC M12 5P LC MA M16 FM 0.2M WIR 2.5 | 200    | +40       | 16             |
| 1205020042                         | LRP5U26L25M010 | REC M12 5P LC MA M16 FM 1.0M WIR 2.5 | 1000   | +40       | 16             |
| 1205020043                         | LRP5U26L25M020 | REC M12 5P LC MA M16 FM 2.0M WIR 2.5 | 2000   | +60       | 16             |
| 1205020060                         | LRP5U26L25M030 | REC M12 5P LC MA M16 FM 3.0M WIR 2.5 | 3000   | +60       | 16             |
| 1205020061                         | LRP5U26L25M040 | REC M12 5P LC MA M16 FM 4.0M WIR 2.5 | 4000   | +60       | 16             |
| 1205020062                         | LRP5U26L25M050 | REC M12 5P LC MA M16 FM 5.0M WIR 2.5 | 5000   | +60       | 16             |

TABLE 3: BOM

| POS | DESCRIPTION        | MATERIAL | FINISH  |
|-----|--------------------|----------|---------|
| 1   | SHELL M16MA        | BRASS    | Ni      |
| 2   | CONTACT 15 MA      | BRASS    | Au      |
| 3   | CONTACT 15 FE      | BRASS    | Au      |
| 4   | INSERT             | PA       | GREY    |
| 5   | O-RING             | NBR      | 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 |                        |                                                                                                      |                    |                                   |  |  |                                |  |                            |          |                        |                  |  |
|                                                            | DIMENSION UNITS                                                                                                                               |                        | SCALE                                                                                                |                    | CURRENT REV DESC: NEW P/N'S ADDED |  |  |                                |  | <div>molex</div>           |          |                        |                  |  |
|                                                            | mm                                                                                                                                            |                        | 4:1                                                                                                  |                    |                                   |  |  |                                |  |                            |          |                        |                  |  |
|                                                            | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        | EC NO: 776660<br>DRWN: RSCHEIBER 2024/02/08<br>CHK'D: RSILLER 2024/02/09<br>APPR: RSILLER 2024/02/09 |                    |                                   |  |  | REC M12 5P LC MA M16 FM XM WIR |  |                            |          |                        |                  |  |
|                                                            | ANGULAR TOL ± 1.0°                                                                                                                            |                        |                                                                                                      |                    |                                   |  |  |                                |  |                            |          |                        |                  |  |
|                                                            | 4 PLACES                                                                                                                                      |                        | ±                                                                                                    |                    | PRODUCT CUSTOMER DRAWING          |  |  |                                |  |                            |          |                        |                  |  |
|                                                            | 3 PLACES                                                                                                                                      |                        | ±                                                                                                    |                    |                                   |  |  |                                |  |                            |          |                        |                  |  |
|                                                            | 2 PLACES                                                                                                                                      |                        | ± 0.05                                                                                               |                    | DOCUMENT NUMBER<br>1205020012     |  |  |                                |  | DOC TYPE                   | DOC PART | REVISION               |                  |  |
|                                                            | 1 PLACE                                                                                                                                       |                        | ± 0.1                                                                                                |                    |                                   |  |  |                                |  | PSD                        | 000      | A4                     |                  |  |
|                                                            | 0 PLACES                                                                                                                                      |                        | ± 0.5                                                                                                |                    | MATERIAL NUMBER<br>SEE TABLE      |  |  |                                |  | CUSTOMER<br>GENERAL MARKET |          | SHEET NUMBER<br>1 OF 1 |                  |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION |                                                                                                      | DRAWING<br>A3-SIZE |                                   |  |  |                                |  |                            |          |                        | SERIES<br>120502 |  |

## TECHNICAL DATA:

CONTACT Ø: 1.5mm  
RATED VOLTAGE: 63V AC/DC  
RATED CURRENT: SEE TAB.1 AND 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 TO +85°C

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