

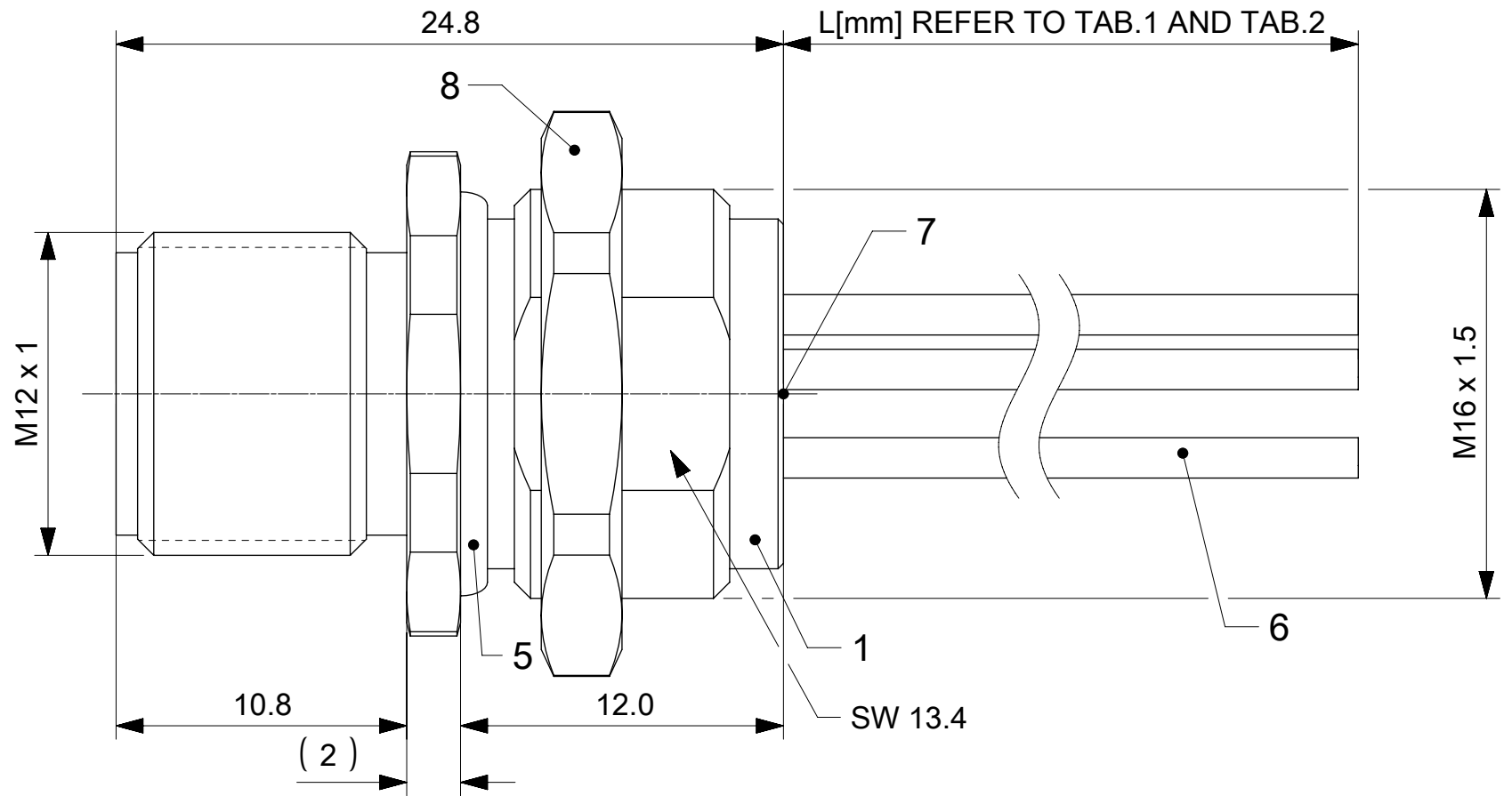
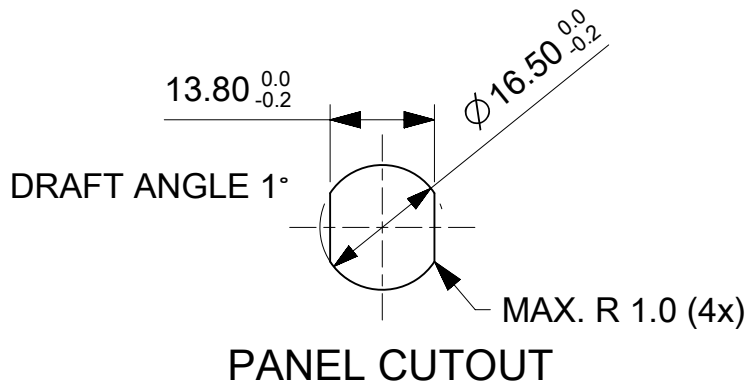
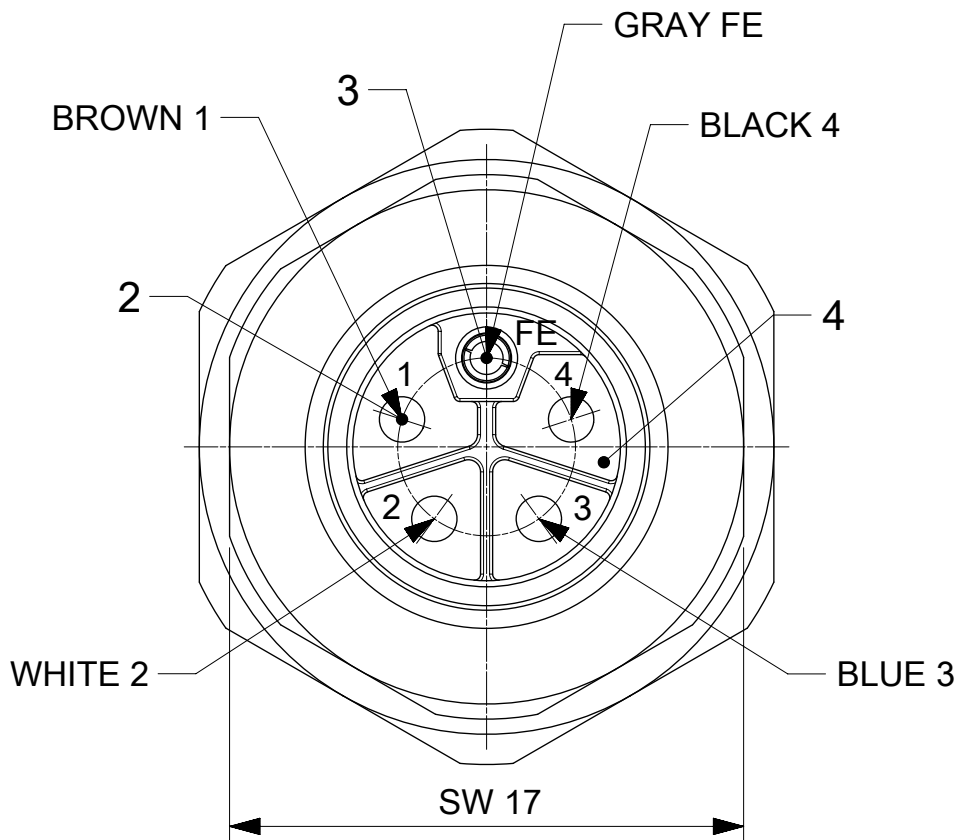


TABLE 1: CABLE LENGTH

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> <div>REC M12 5P LC MA M16 FM XM WIR</div> |            |          |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------|-----------------------------------|-----------------|----------------|------------------------------------------------------------|------------|----------|----------|----------|
| <div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div></div></div> | mm                                                                                                                                            | 4:1                    |         |                                   |                 |                |                                                            |            |          |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                               |                        |         |                                   |                 |                |                                                            |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ANGULAR TOL                                                                                                                                   | ±                      | 1.0°    | EC NO: 776660                     |                 |                |                                                            |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 PLACES                                                                                                                                      | ±                      |         | DRWN: RSCHEIBER                   | 2024/02/08      |                |                                                            |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 PLACES                                                                                                                                      | ±                      |         | CHK'D: RSILLER                    | 2024/02/09      |                |                                                            |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2 PLACES                                                                                                                                      | ±                      | 0.05    | APPR: RSILLER                     | 2024/02/09      |                |                                                            |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 PLACE                                                                                                                                       | ±                      | 0.1     | INITIAL REVISION:                 |                 |                | DOCUMENT NUMBER                                            |            | DOC TYPE | DOC PART | REVISION |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0 PLACES                                                                                                                                      | ±                      | 0.5     | DRWN: SMORADICHARG                | 2016/07/21      | APPR: RSILLER  | 2022/05/04                                                 | 1205020012 | PSD      | 000      | A4       |
| DIVISIONAL SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          | THIRD ANGLE PROJECTION | DRAWING | SERIES                            | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER                                               |            |          |          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                               |                        | A3-SIZE | 120502                            | SEE TABLE       | GENERAL MARKET | 1 OF 1                                                     |            |          |          |          |

## TECHNICAL DATA:

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

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