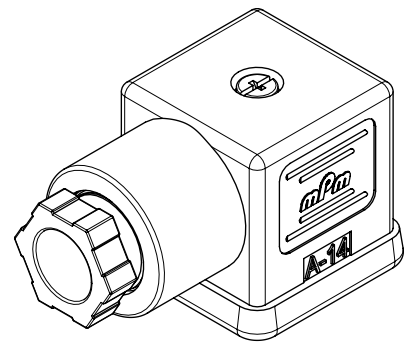




SCALE 1:1

## TECHNICAL SPECIFICATION :

MAX. CURRENT : 16.0A  
INSULATION RESISTANCE : 100Megaohms min.  
MAX. CONDUCTOR : 1.50mm<sup>2</sup>/16AWG  
MAX. VOLTAGE : 250V  
CONTACT RESISTANCE : ≤15milliohms max.

CABLE DIAMETER RANGE :  
PG6-M16 : 6.00-8.00mm  
PG11 - G1/2"-M20 : 8.00-10.0mm

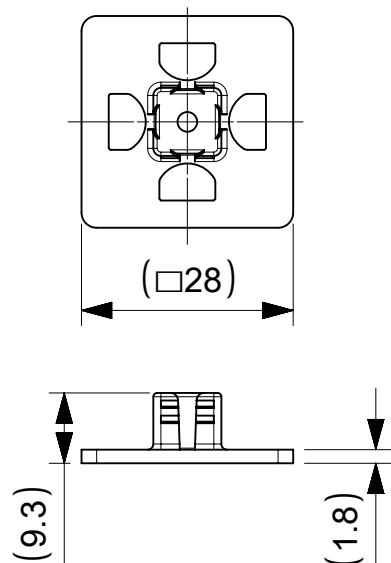
OPERATING TEMPERTURE WITH:  
NITRILE RUBBER(NBR) GASKET : -40°C TO +90°C  
SILICONE : -40°C TO +125°C

ENVIRONMENTAL : IP65  
(IP67 AVAIABLE ON REQUEST)

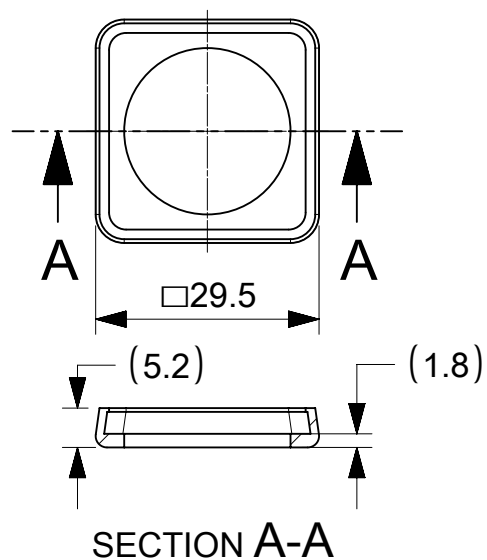
### BOM

| ITEM | DESCRIPTION     | QTY. |
|------|-----------------|------|
| 1    | SCREW           | 1    |
| 2    | COVER ASSEMBLY  | 1    |
| 3    | INSERT ASSEMBLY | 1    |
| 4    | GASKET          | 1    |

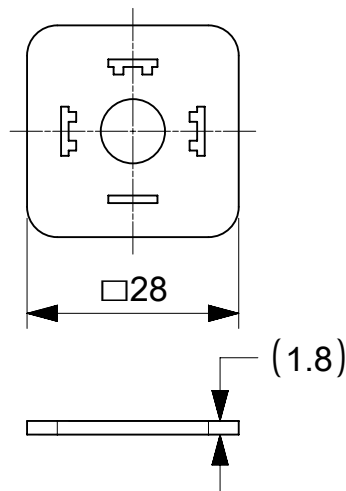
### INTEGRATED GASKET



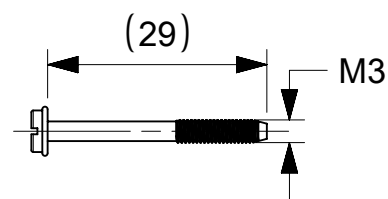
### PROFIED GASKET



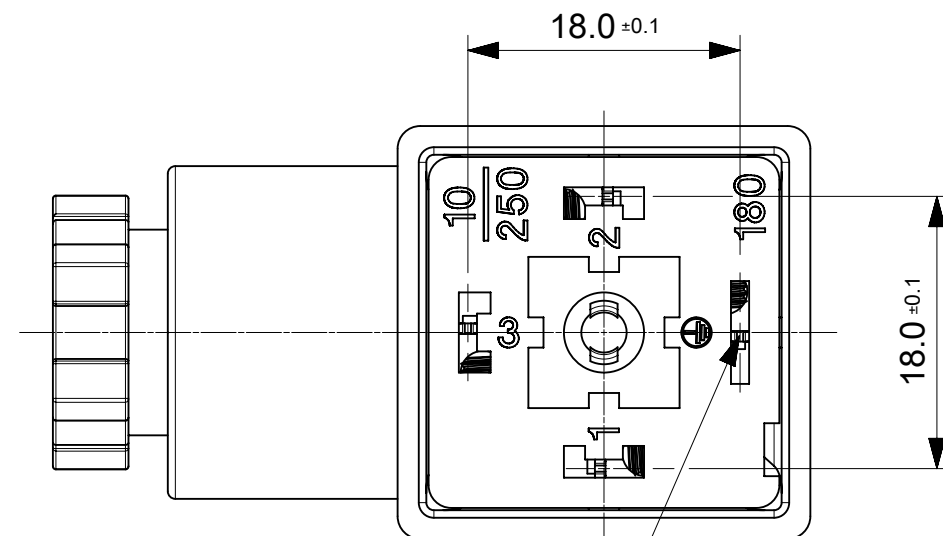
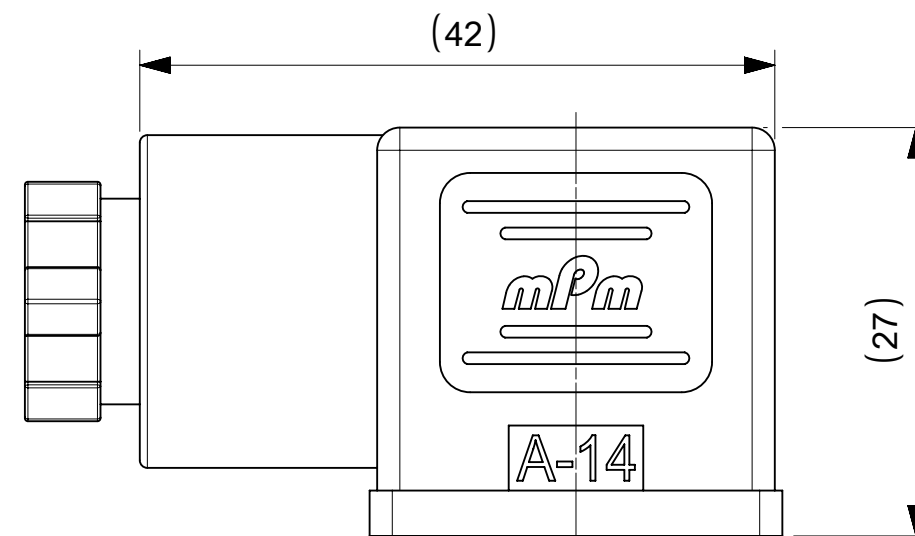
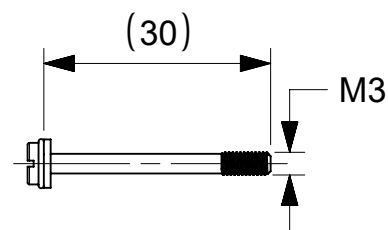
### FLAT GASKET



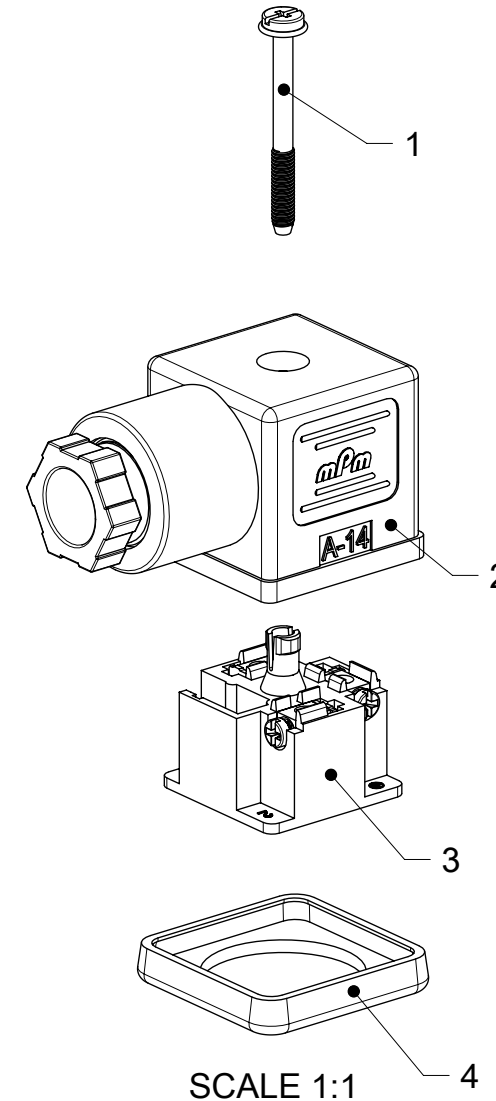
### SCREW M3x29



### SCREW M3x30 + WASHER

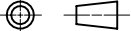


EARTH POSITION  
H12 SHOWN

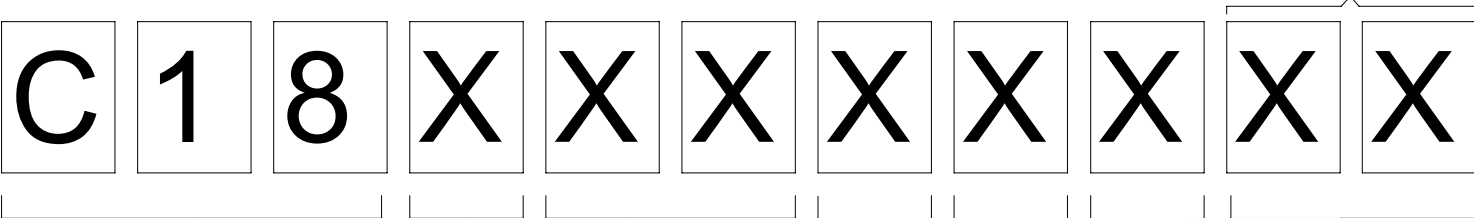


## NOTES :

- PLEASE SEE PDP 1210230229 FOR CURRENTLY CONFIGURED PART NUMBERS.
- FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
- PRODUCT SPEC : SEE PS-121201-001

| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                                       |  |         |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|----------------|--|--------------|--|
| SYMBOLS                                                                                                                                       |  | DIMENSION UNITS                                                                       |  | SCALE   |  | CURRENT REV DESC:                                                                                                                                                                                |  |                    |  |                |  |              |  |
|  = 0                                                     |  | mm                                                                                    |  | 2:1     |  | <div><div>EC NO: 707042</div><div>DRWN: APAWLAK012022/05/17</div><div>CHK'D: RSILLER2022/05/19</div><div>APPR: RSILLER2022/05/19</div></div>                                                     |  |                    |  |                |  |              |  |
|  = 0                                                     |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                 |  |         |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|  = 0                                                     |  | ANGULAR TOL ± °                                                                       |  |         |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|  = 0                                                     |  | 4 PLACES                                                                              |  | ±       |  | <div><div>INITIAL REVISION:</div><div>DRWN: SSM2019/01/09</div><div>APPR: RSILLER2019/01/15</div></div>                                                                                          |  |                    |  |                |  |              |  |
|  = 0                                                     |  | 3 PLACES                                                                              |  | ±       |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|  = 0                                                     |  | 2 PLACES                                                                              |  | ± 0.1   |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|  = 0                                                     |  | 1 PLACE                                                                               |  | ± 0.2   |  | <div><div>DOCUMENT NUMBER</div><div>1210230229</div></div> <div><div>DOC TYPE</div><div>PSD</div></div> <div><div>DOC PART</div><div>000</div></div> <div><div>REVISION</div><div>A1</div></div> |  |                    |  |                |  |              |  |
|  = 0                                                     |  | 0 PLACES                                                                              |  | ±       |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|  = 0                                                     |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                  |  |         |  |                                                                                                                                                                                                  |  |                    |  |                |  |              |  |
|                                                                                                                                               |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING |  | SERIES                                                                                                                                                                                           |  | MATERIAL NUMBER    |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |  |  | A3-SIZE |  | 121023                                                                                                                                                                                           |  | SEE 1210230229 PDP |  | GENERAL MARKET |  | 1 OF 2       |  |

C18 SERIES MATRIX



SERIES  
C18 - INTERNAL  
THREAD  
FORM A

POLES  
2 - 2 POLE  
3 - 3 POLE

THREAD  
09 - PG9  
11- PG11  
M6 - M6x1.5  
M0 - M20x1.5  
12 -1/2" GAS,  
13 - 1/2" NPTF  
39 - PG9 W/STRAIN RELIEF  
41 - PG11 W/STRAIN RELIEF

MATERIAL AND  
HOUSING COLOR:  
G - PA6 Grey  
N - Black Black  
T - Transparent  
W - Black UL94 - V0  
H - PA6 HEAT PROTECTION  
Z - Grey V0

GROUND  
POSITION :  
0 - UNMOUNTED  
2 - H12  
3 - H3  
6 - H6  
9 - H9

SCREW AND GASKET  
1 - NBR PROFILE GASKET & SCREW  
2 - NBR FLAT GASKET & SCREW  
3 - WHITE SILICONE PROFILE GASKET & SCREW  
4 - WHITE SILICONE FLAT GASKET & SCREW  
5 - NBR PROFILE GASKET, NO SCREW  
9 - NO GASKET , NO SCREW  
0 - NO GASKET , NO SCREW  
A - NBR PROFILE GASKET & SCREW + 2mm  
B - NBR FLAT GASKET & SCREW + 2mm  
C - WHITE SILICONE PROFILE GASKET & SCREW + 2mm  
G - NO GASKET & STANDARD SCREW  
I - BULK PACK FULLY MOUNTED , NO GASKET  
P - INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED  
R - INTEGRATED NBR GASKET & IP97 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS  
AF - WITH CENTRE SCREW MOUNTED  
14 - SINGLE BAGGED  
SA - UL LISTED  
19 - PIN No.3 NON CONNECTED/REMOVED  
23 - ASSEMBLED SCREWS & GASKET  
10 - SPECIAL GROMMET  
4S - SPECIAL GROMMET  
5A - SINGLED BAGGED 500 IN A BOX  
9V - NO SCREW OR GASKET  
BM - GOLD TERMINALS  
BS - FULLY MOUNTED ALL COMPONENTS  
IN SEPERATE BAGS  
OH - INOX SCREW  
P7 - IP67 COMPLIANT

| SYMBOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------|--------|-----------------------------|--------------------|-----------------|----------------|----------|--------------|----------|----|----------|
| <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> | DIMENSION UNITS                                                                                                                               |  | SCALE                                                                 |         | CURRENT REV DESC:                                                                                    |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | mm                                                                                                                                            |  | 1:1                                                                   |         | EC NO: 707042<br>DRWN: APAWLAK01 2022/05/17<br>CHK'D: RSILLER 2022/05/19<br>APPR: RSILLER 2022/05/19 |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ANGULAR TOL ± °                                                                                                                               |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 PLACES ±                                                                                                                                    |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 PLACES ±                                                                                                                                    |  | INITIAL REVISION:<br>DRWN: SSM 2019/01/09<br>APPR: RSILLER 2019/01/15 |         |                                                                                                      |        | C18 SERIES ASSEMBLY OPTIONS |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 PLACES ± 0.1                                                                                                                                |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 PLACE ± 0.2                                                                                                                                 |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0 PLACES ±                                                                                                                                    |  |                                                                       |         |                                                                                                      |        |                             |                    |                 |                |          |              |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION                                                |         | DRAWING                                                                                              |        | SERIES                      |                    | DOCUMENT NUMBER |                | DOC TYPE |              | DOC PART |    | REVISION |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |  |                                                                       | A3-SIZE |                                                                                                      | 121023 |                             | 1210230229         |                 | PSD            |          | 000          |          | A1 |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |  |                                                                       |         |                                                                                                      |        |                             | MATERIAL NUMBER    |                 | CUSTOMER       |          | SHEET NUMBER |          |    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                               |  |                                                                       |         |                                                                                                      |        |                             | SEE 1210230229 PDP |                 | GENERAL MARKET |          | 2 OF 2       |          |    |          |

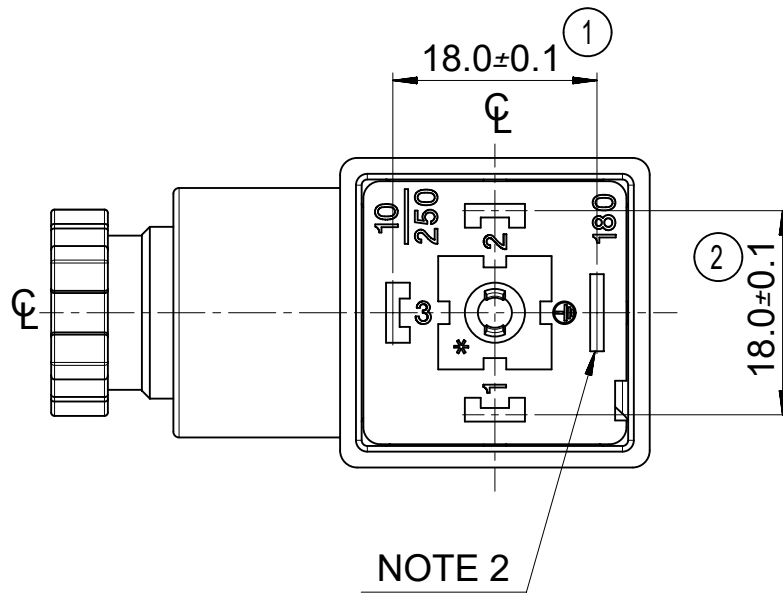
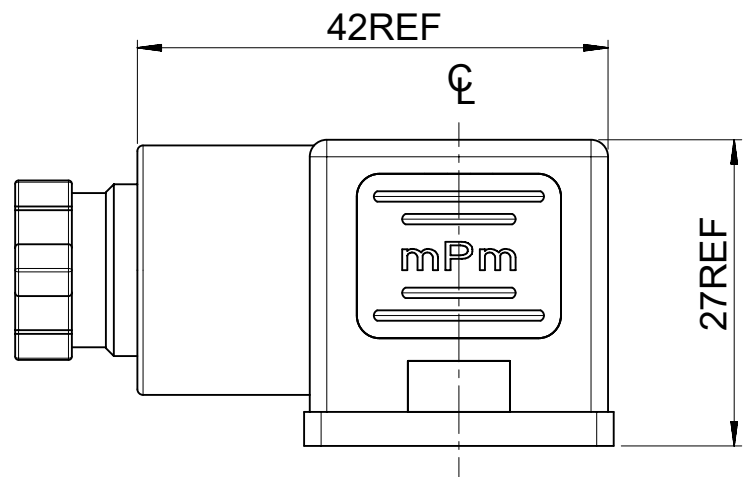
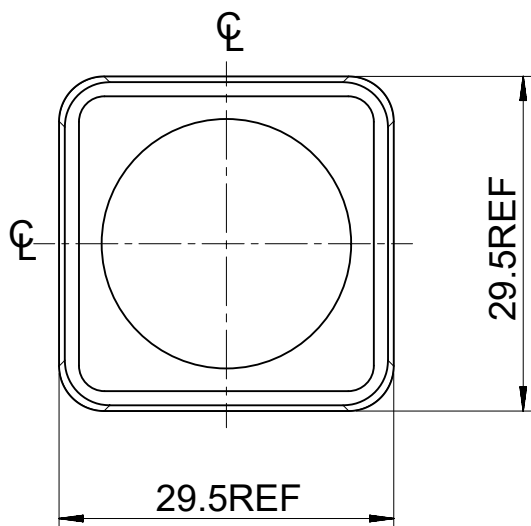
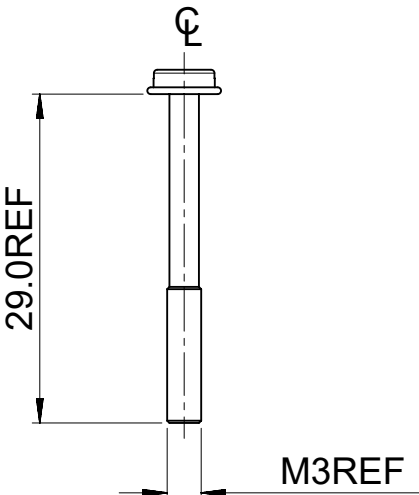
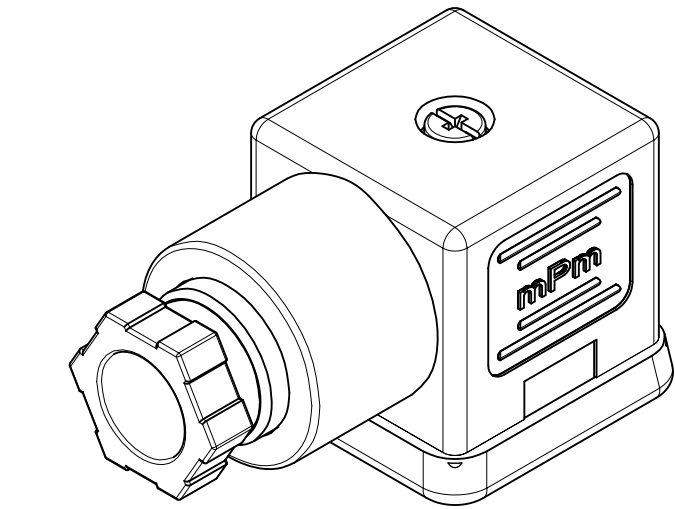
| ITEM | DESCRIPTION     |
|------|-----------------|
| 1    | SCREW           |
| 2    | COVER ASSEMBLY  |
| 3    | INSERT ASSEMBLY |
| 4    | GASKET          |

C18209N21 \*\*

SERIES  
C18= INTERNAL THREAD FORM A  
POLES  
2= 2 POLE & 3= 3 POLE  
THREAD SIZE  
09= PG9, 11= PG11, M6= M16x1.5, M0= M20x1.5, 12= 1/2" GAS, 13= 1/2" NPTF  
39= PG9 W/STRAIN RELIEF, 41= PG11 W/STRAIN RELIEF  
MATERIAL AND HOUSING COLOUR  
G = PA6 GRAY, H= PA6 HEAT PROTECTION,  
N= PA6 BLACK, W= PA66 BLACK V0, T= TRANSPARENT  
GROUND POSITION  
0= UNMOUNTED, 2= H12, 3= H3, 6= H6 & 9= H9

SCREW AND GASKET  
1= NBR PROFILE GASKET & SCREW  
2= NBR FLAT GASKET & SCREW  
3= WHITE SILICONE PROFILE GASKET & SCREW  
4= WHITE SILICONE FLAT GASKET & SCREW  
5= NBR PROFILE GASKET, NO SCREW  
9= NO GASKET, NO SCREW  
0= NO GASKET, NO SCREW  
A= NBR PROFILE GASKET & SCREW +2mm  
B= NBR FLAT GASKET & SCREW +2mm  
C= WHITE SILICONE PROFILE GASKET & SCREW +2mm  
G= NO GASKET & STANDARD SCREW  
I= BULK PACK FULLY MOUNTED, NO GASKET  
P= INTEGRATED NBR GASKET & IP67 SCREW ASSEMBLED  
R= INTEGRATED NBR GASKET & IP67 SCREW NOT ASSEMBLED

NON STANDARD COMPONENTS  
14= SINGLE BAG  
19= PIN NO.3 NON CONNECTED/REMOVED,  
23= ASSEMBLED SCREWS & GASKET  
10= SPECIAL GROMMET  
4S= SPECIAL GROMMET  
5A= SINGLE BAGGED 500 IN A BOX  
9V= NO SCREW OR GASKET  
AF= CENTRE SCREW MOUNTED  
BM= GOLD TERMINALS  
BS= FULLY UNMOUNTED ALL COMPONENTS IN SEPARATE BAGS  
OH= INOX SCREW  
P7= IP67 COMPLIANT  
SA= UL LISTED PART



- NOTES
- PLEASE SEE SHEET 2 FOR CURRENTLY CONFIGURED PART NUMBERS, FOR SPECIFIC PART NUMBERS PLEASE CONTACT SALES OR CONSULT THE INTELLIGENT PART NUMBERS IN THE TABLE ATTACHED
  - EARTH POSITION SHOWN, H12.
  - FOR PACKAGING SEE PACKAGING SPEC PK-121023-C18
  - PRODUCT SPEC: SEE PS-121201-001

LAST INSPECTION NUMBER 2

|                                                                                                                                                 |                                                                                                                                               |                                                                                       |       |         |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|---------|-------------------------------------------------------------------------------------|------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------|------------------------|----------|-----------|----------|--------------------------|----------|-----------------|--|----------|--|--------------|--|
| FUNCTIONAL SYMBOLS<br><br><div><div>▽<sub>A</sub> = 0</div><div>▽<sub>C</sub> = 0</div><div>▽<sub>P</sub> = 0</div></div><br>DIVISIONAL 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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515767                   |                                                            |  |  |  | <div>molex</div><br><br>C18 SERIES<br>INTERNAL THREAD                                                   |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | mm                                                                                                                                            |                                                                                       | 1.5:1 |         |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                                                                       |       |         |                                                                                     |                                                            |  |  |  | EC NO: 806185<br>DRWN: VISHAH2<br>CHK'D: GGA<br>APPR: GGA<br><br>2024/11/25<br>2024/12/16<br>2024/12/16 |                        |          |           |          | PRODUCT CUSTOMER DRAWING |          |                 |  |          |  |              |  |
|                                                                                                                                                 |                                                                                                                                               | MM                                                                                    |       | INCH    |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | 4 PLACES                                                                                                                                      | ±                                                                                     |       | ±       |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | 3 PLACES                                                                                                                                      | ±                                                                                     |       | ±       |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | 2 PLACES                                                                                                                                      | ±                                                                                     | 0.1   | ±       |                                                                                     |                                                            |  |  |  |                                                                                                         |                        |          |           |          |                          |          |                 |  |          |  |              |  |
|                                                                                                                                                 | 1 PLACE                                                                                                                                       | ±                                                                                     | 0.2   | ±       | INITIAL REVISION:<br>DRWN: JOCONNOR<br>APPR: EFOLAN<br><br>2011/05/04<br>2011/05/24 |                                                            |  |  |  | DOCUMENT NUMBER                                                                                         |                        | DOC TYPE |           | DOC PART |                          | REVISION |                 |  |          |  |              |  |
|                                                                                                                                                 | 0 PLACES                                                                                                                                      | ±                                                                                     |       | ±       |                                                                                     |                                                            |  |  |  | SD-121023-001                                                                                           |                        | PSD      |           | 001      |                          | P5       |                 |  |          |  |              |  |
| ANGULAR TOL                                                                                                                                     |                                                                                                                                               |                                                                                       |       | ±       | °                                                                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  |  |                                                                                                         | THIRD ANGLE PROJECTION |          | DRAWING   |          | SERIES                   |          | MATERIAL NUMBER |  | CUSTOMER |  | SHEET NUMBER |  |
|                                                            |                                                                                                                                               |  |       | A2-SIZE |                                                                                     |                                                            |  |  |  |                                                                                                         | 121023                 |          | SEE TABLE |          | GENERAL MARKET           |          | 1 OF 2          |  |          |  |              |  |

[illegible]