



# PN KEY ENGINEERING PN

**E 4 7 2 X X X X X X X X X X X**

E - Packing without bag  
W - Single Packing

Number of wires:  
2 - 2 Wires + Earth

Cable type:  
See Table

Head Colour:  
G - Grey  
N - Black  
A - CSA-UL Black  
B - CSA-UL Grey

Cable Length in[cm]  
050 = 50cm  
300 = 300cm  
10K = 1000cm

Wiring Configuration:  
See sheet 3

Voltage and Led Colour

|          |            |             |
|----------|------------|-------------|
| Red Led: | Green Led: | Yellow Led: |
| 1 = 12V  | A = 12V    | G = 12V     |
| 2 = 24V  | B = 24V    | H = 24V     |
| 3 = 48V  | C = 48V    | K = 48V     |
| 4 = 115V | D = 115V   | L = 115V    |
| 5 = 230V | E = 230V   | M = 230V    |

Earth PIN location (see insert orientation table):  
2 = Earth on H12  
6 = Earth on H6

Type of Gasket and Screw (see sheet 1):  
1 = NBR Profile Gasket + Fixing Screw M3x25mm  
2 = NBR Flat Gasket + Fixing Screw M3x25mm  
3 = Silicone Profile Gasket + Fixing Screw M3x25mm  
4 = Silicone Flat Gasket + Fixing Screw M3x25mm  
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector  
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector  
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

| CABLE TYPE | NO. OF WIRES | CROSS SECTION       | CABLE O.D.  | CABLE JACKET | UL       | CSA       | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | SHIELD |
|------------|--------------|---------------------|-------------|--------------|----------|-----------|--------------------------------|---------------------------------|--------|
| A2         | 3            | AWG 20              | 5.6mm±0.2   | PVC BLACK    | UL 2661  | CSA C22.2 | -30°C to +105°C, 10xO.D.       | -5°C to +105°C, 15xO.D.         | -      |
| A3         | 3            | AWG 18              | 6.5mm±0.25  | PVC BLACK    | UL 2661  | CSA C22.2 | -30°C to +105°C, 10xO.D.       | -5°C to +105°C, 15xO.D.         | -      |
| B2         | 3            | AWG 20              | 5.6mm±0.2   | PUR BLACK    | UL 20668 | CSA C22.2 | -40°C to +90°C, 5xO.D.         | -25°C to +90°C, 10xO.D.         | -      |
| B3         | 3            | AWG 18              | 6.5mm±0.2   | PUR BLACK    | UL 20668 | CSA C22.2 | -40°C to +90°C, 5xO.D.         | -25°C to +90°C, 10xO.D.         | -      |
| F4         | 3            | 1mm <sup>2</sup>    | 7.1mm+0.2   | PVC GREY     | -        | -         | -15°C to +70°C, 10xO.D.        | -5°C to +60°C, 15xO.D.          | -      |
| I0         | 3            | 1mm <sup>2</sup>    | 7.6mm±0.2   | PVC GREY     | -        | -         | -25°C to +70°C, 10xO.D.        | -5°C to +70°C, 15xO.D.          | YES    |
| I2         | 3            | 0.5mm <sup>2</sup>  | 5.5mm+0.3   | PVC GREY     | -        | -         | -25°C to +70°C, 10xO.D.        | -5°C to +70°C, 15xO.D.          | -      |
| I3         | 3            | 0.75mm <sup>2</sup> | 6.0mm±0.2   | PVC GREY     | -        | -         | -25°C to +70°C, 10xO.D.        | -5°C to +70°C, 15xO.D.          | -      |
| I4         | 3            | 1mm <sup>2</sup>    | 7.1mm+0.2   | PVC GREY     | -        | -         | -25°C to +70°C, 10xO.D.        | -5°C to +70°C, 15xO.D.          | -      |
| N2         | 3            | 0.5mm <sup>2</sup>  | 5.6mm±0.7   | PVC BLACK    | -        | -         | -20°C to +70°C, 3xO.D.         | -15°C to +70°C, 5xO.D.          | -      |
| N3         | 3            | 0.75mm <sup>2</sup> | 6.8mm±0.8   | PVC BLACK    | -        | -         | -20°C to +70°C, 3xO.D.         | -15°C to +70°C, 5xO.D.          | -      |
| N4         | 3            | 1mm <sup>2</sup>    | 7.15mm±0.85 | PVC BLACK    | -        | -         | -20°C to +70°C, 3xO.D.         | -15°C to +70°C, 5xO.D.          | -      |
| P1         | 3            | 0.34mm <sup>2</sup> | 5.3mm±0.2   | PUR BLACK    | -        | -         | -25°C to +80°C, 10xO.D.        | -5°C to +80°C, 15xO.D.          | -      |
| P2         | 3            | 0.5mm <sup>2</sup>  | 5.5mm+0.3   | PUR BLACK    | -        | -         | -40°C to +90°C, 7.5xO.D.       | -15°C to +90°C, 12.5xO.D.       | -      |
| P3         | 3            | 0.75mm <sup>2</sup> | 6.5mm±0.2   | PUR BLACK    | -        | -         | -40°C to +90°C, 7.5xO.D.       | -15°C to +90°C, 12.5xO.D.       | -      |

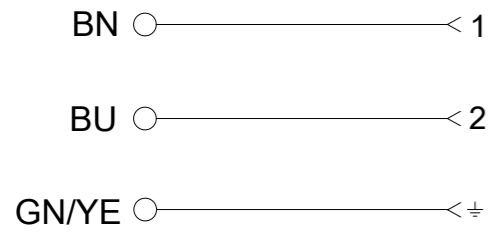
## Notes:

- Please see excel sheet 1210503400\_PDP for currently configured part numbers.
- Drawing is a replacement for: SD-121050-005

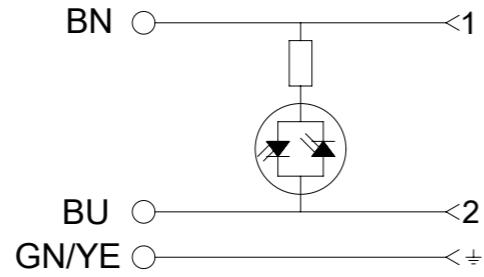
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|--|---|----------------------------|----------------------------|-----------------|--|--------------|--|
| SYMBOLS  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            | CURRENT REV DESC:          |                 | <b>molex</b>                           |              |  |
|  | DIMENSION UNITS   | SCALE                      | EC NO: 603741              |                 |  |              |  |
|  | mm  | 1:1                        | DRWN: APAWLAK01 2018/07/18 |                 | STANDARD E472 DIN FORM B EN 175301-803 |              |  |
|  | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                            | CHK'D: RSILLER 2018/08/31  |                 | PRODUCT CUSTOMER DRAWING               |              |  |
| ANGULAR TOL  | ±   | APPR: RSILLER 2018/08/31   |                            | DOCUMENT NUMBER |  |              |  |
| 4 PLACES   | ±   | INITIAL REVISION:          |                            | 1210503400      |  |              |  |
| 3 PLACES   | ±   | DRWN: APAWLAK01 2018/07/18 |                            | DOC TYPE        |  |              |  |
| 2 PLACES   | ± 0.05  | APPR: RSILLER 2018/08/31   |                            | 000             |  |              |  |
| 1 PLACE  | ± 0.1   | MATERIAL NUMBER            |                            | REVISION        |  |              |  |
| 0 PLACES   | ±   | SEE 1210503400_PDP         |                            | A               |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   | THIRD ANGLE PROJECTION     | DRAWING                    | SERIES          | CUSTOMER                               | SHEET NUMBER |  |
|  |   |                            | A3-SIZE                    | 121050          | GENERAL MARKET                         | 2 OF 3       |  |

# WIRING DIAGRAMS

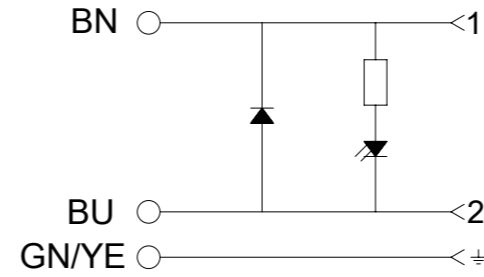
ELECTRICAL DIAGRAM 00



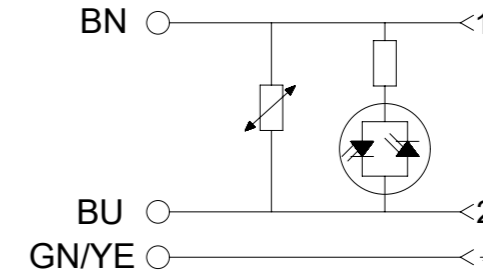
ELECTRICAL DIAGRAM A1



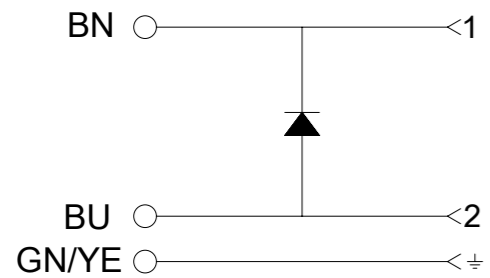
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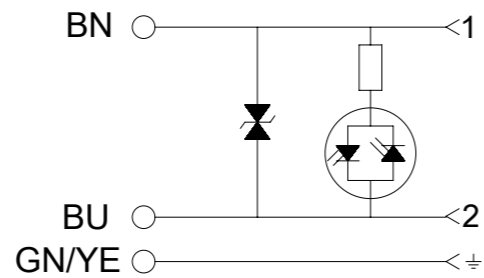
ELECTRICAL DIAGRAM C4



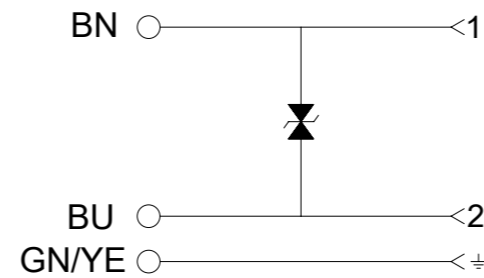
ELECTRICAL DIAGRAM E0



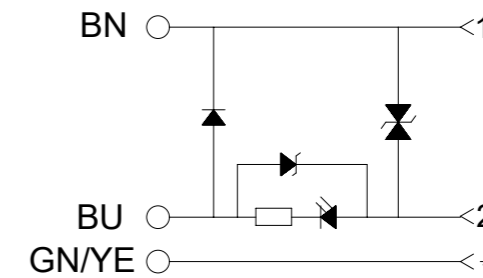
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1

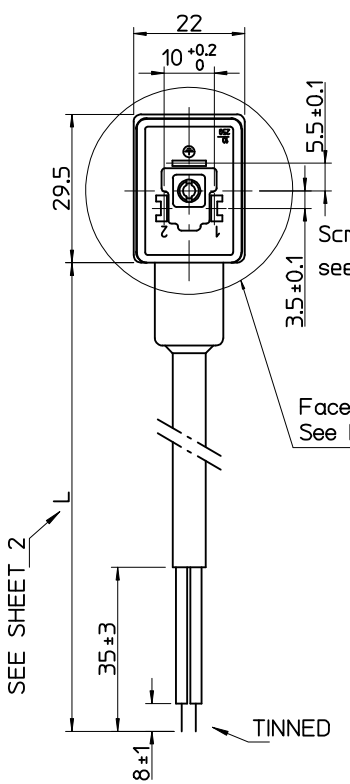


ELECTRICAL DIAGRAM NS



Technical Spec:  
 Supply Voltage: See PN KEY  
 Max. current: 5A; A1-C4-S0  
 1,5A; R2  
 Contact Resistance: ≤15milliohms max.  
 Operating Temperature:  
 with NBR Gasket: -40°C +90°C  
 with Silicone: -40°C +125°C

| 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:   |                            |
| ▽ = 0           | mm   | 1:1   |                            |
| ▽ = 0           | GENERAL TOLERANCES (UNLESS SPECIFIED)                |   |                            |
| ▽ = 0           | ANGULAR TOL  | ±   | °                          |
| ▽ = 0           | 4 PLACES   | ±   |                            |
| ▽ = 0           | 3 PLACES   | ±   |                            |
| ▽ = 0           | 2 PLACES   | ±   | 0.05                       |
| ▽ = 0           | 1 PLACE  | ±   | 0.1                        |
| ▽ = 0           | 0 PLACES   | ±   |                            |
| ■ = 0           | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |   |                            |
| ▽ = 0           | THIRD ANGLE PROJECTION                               | DRAWING   | SERIES                     |
|                 |  | A3-SIZE   | 121050                     |
|                 |  | EC NO: 603741   | 2018/07/18                 |
|                 |  | DRWN: APAWLAK01   | 2018/08/31                 |
|                 |  | CHK'D: RSILLER  | 2018/08/31                 |
|                 |  | APPR: RSILLER   | 2018/08/31                 |
|                 |  | INITIAL REVISION:   |                            |
|                 |  | DRWN: APAWLAK01   | 2018/07/18                 |
|                 |  | APPR: RSILLER   | 2018/08/31                 |
|                 |  | DOCUMENT NUMBER   | DOC TYPE DOC PART REVISION |
|                 |  | 1210503400  | PSD 000 A                  |
|                 |  | MATERIAL NUMBER   | CUSTOMER                   |
|                 |  | SEE 1210503400_PDP  | GENERAL MARKET             |
|                 |  | SHEET NUMBER  |                            |
|                 |  | 3 OF 3  |                            |



Screw and gasket,  
see sheet 2, PN Key

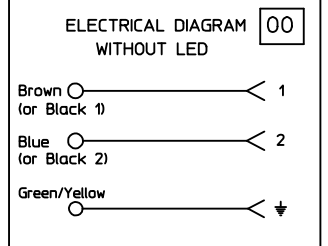
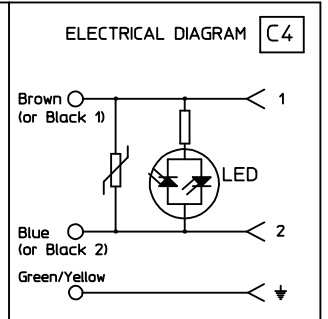
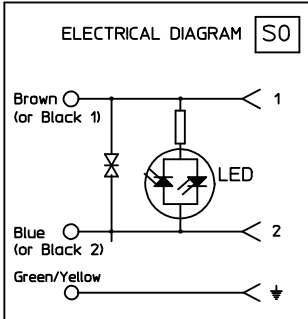
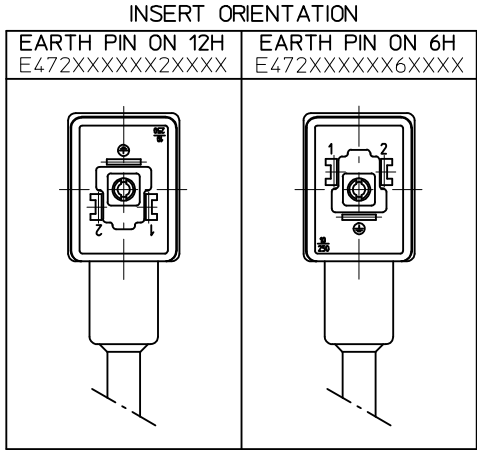
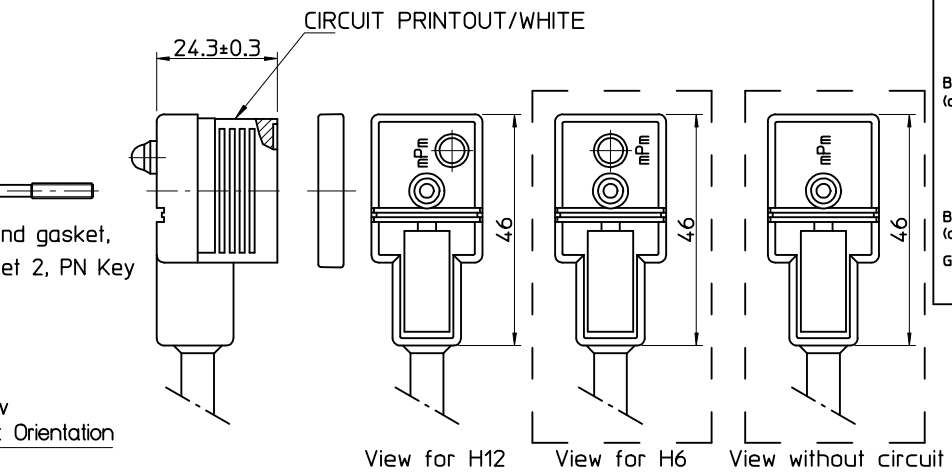


Table of length tolerances [mm]

| Over  | Up to and including | Tolerance (+) |
|-------|---------------------|---------------|
| 0     | 1000                | ±20           |
| 1000  | 3000                | ±30           |
| 3000  | 5000                | ±40           |
| 5000  | 10000               | ±50           |
| 10000 | 15000               | ±100          |
| 15000 | 20000               | ±150          |
| 20000 |                     | ±L/100        |

| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRW: JMARSZALEK 2013/03/27<br>CHK: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | QUALITY SYMBOLS<br>▽ = 0<br>▽ = 0   | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>0 PLACE</td> <td>±---</td> <td>±---</td> </tr> </tbody> </table> ANGULAR ±---°<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |      | mm | INCH | 4 PLACES | ±--- | ±--- | 3 PLACES | ±--- | ±--- | 2 PLACES | ±--- | ±--- | 1 PLACE | ±--- | ±--- | 0 PLACE | ±--- | ±--- | DIMENSION STYLE<br><b>MM ONLY</b><br>DRAWN BY: JMARSZALEK DATE: 2012/11/19<br>CHECKED BY: MSZWAJKOWSKI DATE: 2012/11/20<br>APPROVED BY: MIWASIECZKO DATE: 2013/02/12<br>MATERIAL NO. | SCALE: _____<br>DESIGN UNITS: METRIC<br>FIRST ANGLE PROJECTION | TITLE:<br>E472XXXXXXXXXXXX<br>FORM B<br>EN 175301-803<br><b>molex</b><br>DOCUMENT NO. SD-121050-005<br>SHEET NO. 1 OF 4 |
|--|---|--|------|----|------|----------|------|------|----------|------|------|----------|------|------|---------|------|------|---------|------|------|--|--|---|
|  |   | mm   | INCH |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
|  | 4 PLACES  | ±---   | ±--- |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
|  | 3 PLACES  | ±---   | ±--- |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| 2 PLACES   | ±---  | ±---   |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| 1 PLACE  | ±---  | ±---   |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| 0 PLACE  | ±---  | ±---   |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| SEE SHEET 2&3  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| SIZE: A3   | SEE SHEET 2&3   |  |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |
| B  | SEE SHEET 2&3   |  |      |    |      |          |      |      |          |      |      |          |      |      |         |      |      |         |      |      |  |  |   |

10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

F

F

E

E

D

D

C

C




B

B

A

A

9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

|  |                    |   |  |  |   |  |  |                               |   |                            |
|--|--------------------|---|--|--|---|--|--|-------------------------------|---|----------------------------|
| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRWN: JMARSZALEK 2013/03/27<br>CHKD: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br> = 0<br> = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)  |  | DIMENSION STYLE<br><b>MM ONLY</b>   |  | SCALE<br><b>1:1</b>                      | DESIGN UNITS<br><b>METRIC</b> |  <b>FIRST ANGLE PROJECTION</b> |                            |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>0 PLACE ± --- ± ---<br>ANGULAR ± --- °   | mm      INCH   | DRAWN BY      DATE<br>JMARSZALEK      2012/11/19<br>CHECKED BY      DATE<br>MSZWAJKOWSKI      2012/11/20<br>APPROVED BY      DATE<br>MIWASIECZKO      2013/02/12 | TITLE<br><b>E472XXXXXXXXXXXX</b><br><b>FORM B</b><br><b>EN 175301-803</b> |  | MATERIAL NO.<br><b>SEE SHEET 2&amp;4</b> |                               | DOCUMENT NO.<br><b>SD-121050-005</b>  | SHEET NO.<br><b>2 OF 4</b> |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   |                    |   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |   |  |  |                               |   |                            |



10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C




B

B

A

A

9 8 7 6 5 4 3 2 1

|  |                    |   |  |   |  |  |                               |                               |   |  |
|--|--------------------|---|--|---|--|--|-------------------------------|-------------------------------|---|--|
| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRWN: JMARSZALEK 2013/03/27<br>CHKD: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br> = 0<br> = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)  |   | DIMENSION STYLE<br><b>MM ONLY</b>                                  |  | SCALE<br><b>1:1</b>           | DESIGN UNITS<br><b>METRIC</b> |  <b>FIRST ANGLE PROJECTION</b> |  |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>0 PLACE ± --- ± ---<br>ANGULAR ± --- °<br>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS           | mm      INCH<br>± ---    ± ---<br>± ---    ± ---<br>± ---    ± ---<br>± ---    ± ---<br>± ---    ± ---<br>± ---    ± --- | DRAWN BY      DATE<br>JMARSZALEK    2012/11/19<br>CHECKED BY     DATE<br>MSZWAJKOWSKI 2012/11/20<br>APPROVED BY    DATE<br>MIWASIECZKO   2013/02/12 | TITLE<br>E472XXXXXXXXXX<br>FORM B<br>EN 175301-803<br><b>molex</b> |  | MATERIAL NO.<br>SEE SHEET 2&4 | DOCUMENT NO.<br>SD-121050-005 | SHEET NO.<br>3 OF 4   |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION              |                    |   |  |   |  |  |                               |                               |   |  |

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C




B

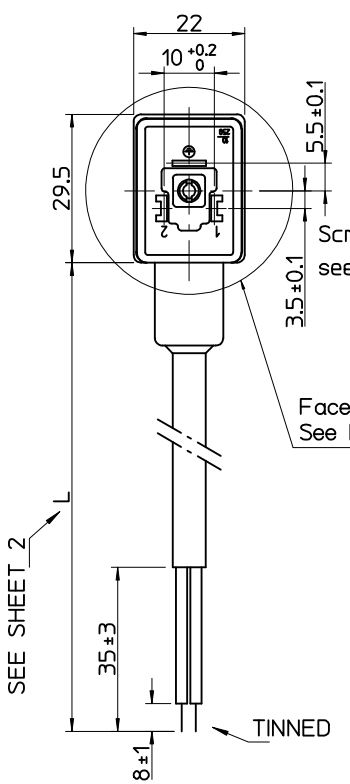
B

A

A

9 8 7 6 5 4 3 2 1

|  |                    |   |  |   |  |  |  |                               |   |  |
|--|--------------------|---|--|---|--|--|--|-------------------------------|---|--|
| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRWN: JMARSZALEK 2013/03/27<br>CHKD: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br> =0<br> =0 | GENERAL TOLERANCES (UNLESS SPECIFIED)  |   | DIMENSION STYLE<br><b>MM ONLY</b>                                    |  | SCALE<br><b>1:1</b>                      | DESIGN UNITS<br><b>METRIC</b> |  <b>FIRST ANGLE PROJECTION</b> |  |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>0 PLACE ± --- ± ---<br>ANGULAR ± --- °   | mm      INCH   | DRAWN BY      DATE<br>JMARSZALEK    2012/11/19<br>CHECKED BY      DATE<br>MSZWAJKOWSKI 2012/11/20<br>APPROVED BY      DATE<br>MIWASIECZKO    2013/02/12 | TITLE<br>E472XXXXXXXXXXXX<br>FORM B<br>EN 175301-803<br><b>molex</b> |  | MATERIAL NO.<br><b>SEE SHEET 2&amp;4</b> | DOCUMENT NO.<br>SD-121050-005 | SHEET NO.<br>4 OF 4   |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS   |                    |   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |  |  |  |                               |   |  |



Screw and gasket,  
see sheet 2, PN Key

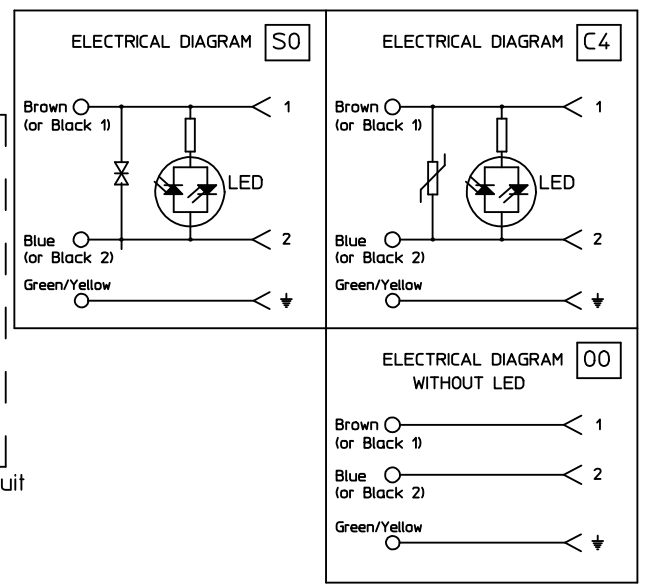
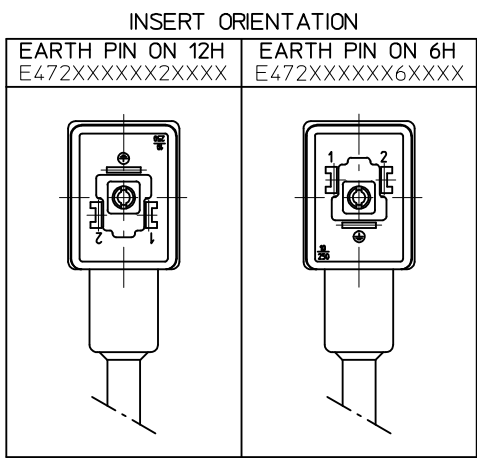
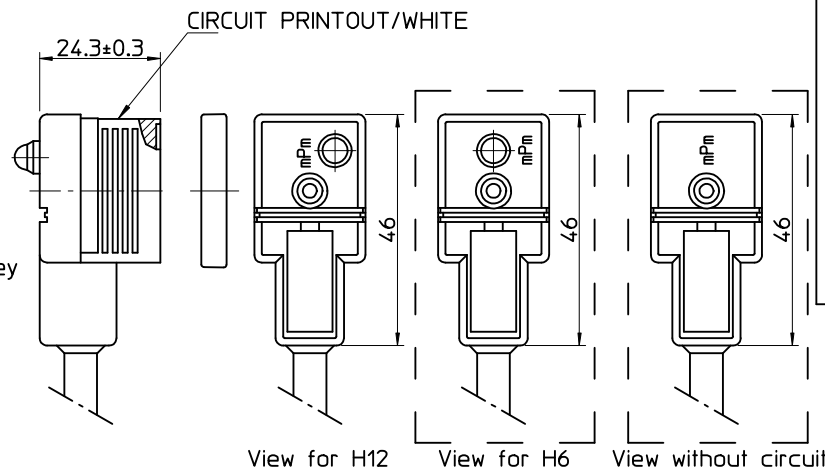


Table of length tolerances [mm]

| Over  | Up to and including | Tolerance (+) |
|-------|---------------------|---------------|
| 0     | 1000                | ±20           |
| 1000  | 3000                | ±30           |
| 3000  | 5000                | ±40           |
| 5000  | 10000               | ±50           |
| 10000 | 15000               | ±100          |
| 15000 | 20000               | ±150          |
| 20000 |                     | ±L/100        |

|  |                     |   |         |  |  |  |                        |                        |  |
|--|---------------------|---|---------|--|--|--|------------------------|------------------------|--|
| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRW: JMARSZALEK 2013/03/27<br>CHK: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | QUALITY SYMBOLS<br> | GENERAL TOLERANCES (UNLESS SPECIFIED)   |         | DIMENSION STYLE<br><b>MM ONLY</b>      |  | SCALE  | DESIGN UNITS<br>METRIC | FIRST ANGLE PROJECTION |  |
|  |                     | 4 PLACES ±--- ±---<br>3 PLACES ±--- ±---<br>2 PLACES ±--- ±---<br>1 PLACE ±--- ±---<br>0 PLACE ±--- ±---                      | mm INCH | DRAWN BY DATE<br>JMARSZALEK 2012/11/19 | CHECKED BY DATE<br>MSZWAJKOWSKI 2012/11/20 | TITLE<br>E472XXXXXXXXXXXX<br>FORM B<br>EN 175301-803 |                        |                        |  |
| B  | REV DESCRIPTION     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |         | MATERIAL NO.<br>SEE SHEET 2&3          |  | DOCUMENT NO.<br>SD-121050-005                        |                        | SHEET NO.<br>1 OF 4    |  |
|  |                     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         | SIZE<br>A3                             |  |  |                        |                        |  |



10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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

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|--|--------------------|--|---|--|---|--|---------------------|--------------------------------|---|--|
| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRWN: JMARSZALEK 2013/03/27<br>CHKD: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br> = 0<br> = 0.05 | GENERAL TOLERANCES (UNLESS SPECIFIED)   |  | DIMENSION STYLE<br><b>MM ONLY</b>   |  | SCALE<br><b>1:1</b> | DESIGN UNITS<br><b>METRIC</b>  |  <b>FIRST ANGLE PROJECTION</b> |  |
|  |                    | 4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>0 PLACE ± --- ± ---<br>ANGULAR ± --- °  | mm      INCH  | DRAWN BY      DATE<br>JMARSZALEK      2012/11/19 | TITLE<br><b>E472XXXXXXXXXXXX</b><br><b>FORM B</b><br><b>EN 175301-803</b> |  |                     |                                |   |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                    |  | CHECKED BY      DATE<br>MSZWAJKOWSKI      2012/11/20  |  | APPROVED BY      DATE<br>MIWASIECZKO      2013/02/12                      |  |                     | MATERIAL NO.      DOCUMENT NO. |   |  |
|  |                    |  | SEE SHEET 2&4   |  | SD-121050-005   |  |                     | SHEET NO.<br>2 OF 4            |   |  |
|  |                    |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |   |  |                     |                                |   |  |

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

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9 8 7 6 5 4 3 2 1

| <b>DRAWING UPDATE</b><br>EC NO: IPG2013-1497<br>DRWN: JMARSZALEK 2013/03/27<br>CHKD: MDYSZEWSKA 2013/03/27<br>APPR: MIWASIECZKO 2013/03/28 | DESCRIPTION<br>REV  | QUALITY SYMBOLS<br> = 0<br> = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   |                            | DIMENSION STYLE<br><b>MM ONLY</b> |      | SCALE<br><b>1:1</b> | DESIGN UNITS<br><b>METRIC</b> |  <b>FIRST ANGLE PROJECTION</b> |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
|--|---|---|---|----------------------------|-----------------------------------|------|---------------------|-------------------------------|---|----------|-------|-------|----------|-------|-------|---------|-------|-------|---------|-------|-------|---|----------|------|------------|------------|------------|------|--------------|------------|-------------|------|-------------|------------|---|--|
|  |   |   | <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table> |                            | mm                                | INCH | 4 PLACES            | ± ---                         | ± ---   | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | 0 PLACE | ± --- | ± --- | <table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>JMARSZALEK</td> <td>2012/11/19</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>MSZWAJKOWSKI</td> <td>2012/11/20</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>MIWASIECZKO</td> <td>2013/02/12</td> </tr> </tbody> </table> | DRAWN BY | DATE | JMARSZALEK | 2012/11/19 | CHECKED BY | DATE | MSZWAJKOWSKI | 2012/11/20 | APPROVED BY | DATE | MIWASIECZKO | 2013/02/12 | TITLE<br><b>E472XXXXXXXXXXXX</b><br><b>FORM B</b><br><b>EN 175301-803</b> |  |
|  |   |   | mm  | INCH                       |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
|  |   | 4 PLACES  | ± ---   | ± ---                      |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| 3 PLACES   | ± ---   | ± ---   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| 2 PLACES   | ± ---   | ± ---   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| 1 PLACE  | ± ---   | ± ---   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| 0 PLACE  | ± ---   | ± ---   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| DRAWN BY   | DATE  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| JMARSZALEK   | 2012/11/19  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| CHECKED BY   | DATE  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| MSZWAJKOWSKI   | 2012/11/20  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| APPROVED BY  | DATE  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
| MIWASIECZKO  | 2013/02/12  |   |   |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
|  | ANGULAR ± --- °<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | MATERIAL NO.<br><b>SEE SHEET 2&amp;4</b>  | DOCUMENT NO.<br><b>SD-121050-005</b>  | SHEET NO.<br><b>3 OF 4</b> |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |
|  |   | SIZE<br><b>A3</b>   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION  |                            |                                   |      |                     |                               |   |          |       |       |          |       |       |         |       |       |         |       |       |   |          |      |            |            |            |      |              |            |             |      |             |            |   |  |



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

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|--|--------------------|--|---|--|---|--|--|-------------------------------|---|----------------------------|
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| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                    |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |   |  |  |                               |   |                            |

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