

Table of lenght tolerances/ Tablica tolerancji dlugosci mm

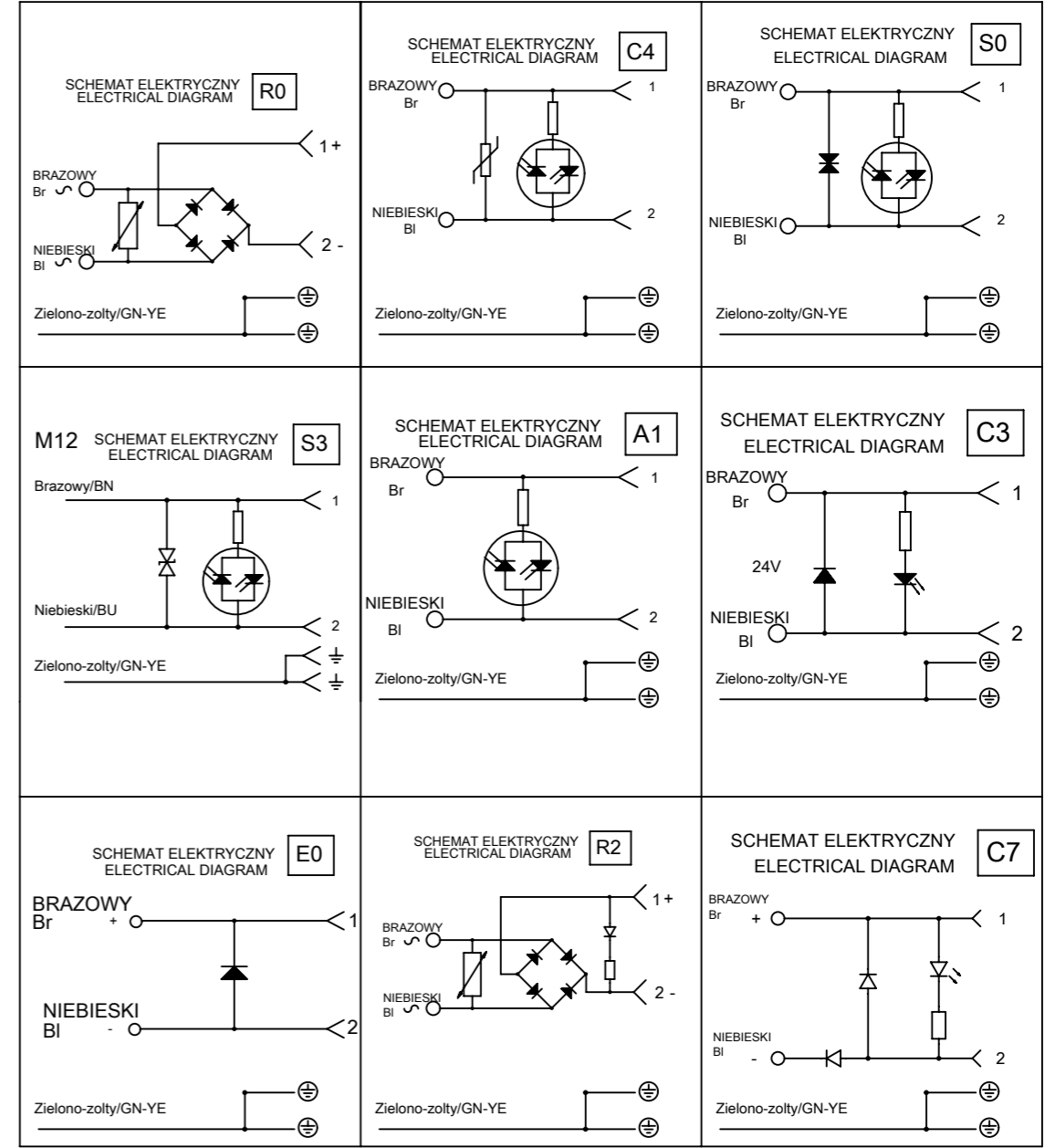
| Over/Od | Up to and including/ Do-wlacznie | Tolerance/Tolerancja |
|---------|----------------------------------|----------------------|
| 100     | 1000                             | ±20                  |
| 1000    | 3000                             | ±30                  |
| 3000    | 5000                             | ±40                  |
| 5000    | 10000                            | ±50                  |
| 10000   | 15000                            | ±100                 |
| 15000   | 20000                            | ±150                 |
| 20000   |                                  | ±L/100               |

UWAGI:  
1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:  
1. LENGHT SEE SHEET 2.

SCHEMATY POLACZEN/WIRING CONFIGURATION

UWAGA: Uziemienie na schematach tylko dla numerow E392XXXXXXXXXXXX lub E396XXXXXXXXXXXX.  
NOTE: GROUND SHOWN ON WIRING CONFIGURATIONS FOR E392XXXXXXXXXXXX OR E396XXXXXXXXXXXX ONLY.



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                       |                     |  |  |                            |  |  |
|---------------------------------------|---------------------|--|--|----------------------------|--|--|
| DIMENSION UNITS<br><b>mm</b>          | SCALE<br><b>NTS</b> | CURRENT REV DESC: OBSOLETE PART NUMBER               |  | <b>molex</b>               |  |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED) |                     | EC NO: 641324  |  |                            |  |  |
|                                       |                     | DRWN: AKUMAR19 2020/06/29                            |  | PRODUCT CUSTOMER DRAWING   |  |  |
|                                       |                     | CHK'D: GGA 2020/08/27                                |  | DOCUMENT NUMBER            |  |  |
|                                       |                     | APPR: GGA 2020/08/27                                 |  | E39XXXXXXXXXXXX            |  |  |
|                                       |                     | INITIAL REVISION:                                    |  | DOC TYPE DOC PART REVISION |  |  |
|                                       |                     | DRWN: MLEVYTSKY 2009/01/22                           |  | PSD 001 B                  |  |  |
|                                       |                     | APPR: MWOLSZCZAK 2009/01/22                          |  | MATERIAL NUMBER            |  |  |
|                                       |                     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | CUSTOMER                   |  |  |
|                                       |                     | THIRD ANGLE PROJECTION                               |  | GENERAL MARKET             |  |  |
|                                       |                     | DRAWING  |  | SHEET NUMBER               |  |  |
|                                       |                     | SERIES   |  | 1 OF 4                     |  |  |
|                                       |                     | A3-SIZE 121050                                       |  |                            |  |  |

E 3 9 X X X X X X X X X X X X X

E - Pakowanie bez workow  
 W - Pakowanie pojedynczo  
 Q - Szybkie pakowanie

ILOSC PRZEWODOW/NUMBER OF WIRES:  
 1=2 PRZEWODY,  
 2 lub 6=2 PRZEWODY+UZIEMIENIE,  
 3=3 PRZEWODY+UZIEMIENIE.

TYP KABLA/CABLE TYPE  
 PATRZ TABELA 1/SEE TABLE 1

RODZAJ KABLA/CABLE CROSS SECTION AREA  
 PATRZ TABELA 2/SEE TABLE 2

KOLOR MOULDINGU/HEAD COLOUR:  
 G=SZARY/GREY;  
 N=CZARNY/BLACK;  
 T=PRZEZROCZYSTY/TRANSPARENT;  
 A=CZARNY/BLACK;  
 B=SZARY/GREY.

DLUGOSC KABLA W CM/CABLE LENGHT IN CM  
 NP:050=50 CM, 300=300 CM.

POLOZENIE PINU Z UZIEMIENIEM/EARTH PIN LOCATION:  
 1=PODWOJNE UZIEMIENIE NA GODZINIE 6 ORAZ 12/DOUBLE EARTH ON 6H AND 12H,  
 2=UZIEMIENIE NA GODZINIE 12/1EARTH ON 12H,  
 6=UZIEMIENIE NA GODZINIE 6/EARTH ON 6H.

GASKET ORAZ SRUBY/GASKET SCREWS:  
 1=GASKET PROFILOWANY+SRUBA/NBR PROFILE GASKET+FIXING SCREWS,  
 2=NBR PLASKI GASKET+SRUBA/NBR FLAT GASKET+SCREW,  
 3=SILIKONOWY PROFILOWANY GASKET+SRUBA/SILICONE PROFILE GASKET+SCREW,  
 4=SILIKOWANY PLASKI GASKET+SRUBA/SILICON FLAT GASKET+SCREW,  
 P=ZINTEGROWANY GASKET+SRUBA/INTEGRATED GASKET+FIXING SCREW,  
 R=ZINTEGROWANY GASKET+SRUBA/INTAGRATED GASKET+SCREW,  
 T=PROFILOWANY GASKET+SRUBA, PROFILE GASKET+SCREW.

RODZAJ POLACZENIA/INTERNAL CIRCUIT  
 PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION

NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR:

|         |                             |         |                              |         |                             |
|---------|-----------------------------|---------|------------------------------|---------|-----------------------------|
| 1= 12V  | } CZERWONA DIODA<br>RED LED | A= 12V  | } ZIELONA DIODA<br>GREEN LED | G= 12V  | } ZOLTA DIODA<br>YELLOW LED |
| 2= 24V  |                             | B= 24V  |                              | H= 24V  |                             |
| 3= 48V  |                             | C= 48V  |                              | K= 48V  |                             |
| 4= 115V |                             | D= 115V |                              | L= 115V |                             |
| 5= 230V |                             | E= 230V |                              | M= 230V |                             |

|   |  |       |  |  |  |                |  |                 |  |                                       |  |
|---|--|-------|--|--|--|----------------|--|-----------------|--|---------------------------------------|--|
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| DIMENSION UNITS   |  | SCALE |  | CURRENT REV DESC: OBSOLETE PART NUMBER |  |                |  |                 |  | <b>molex</b>                          |  |
| mm  |  | NTS   |  |  |  |                |  |                 |  |                                       |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |       |  | EC NO: 641324                          |  | DRWN: AKUMAR19 |  | 2020/06/29      |  | MPM E39XXXXXXXXXXXX                   |  |
|   |  |       |  | CHK'D: GGA                             |  | 2020/08/27     |  |                 |  |                                       |  |
|   |  |       |  | APPR: GGA                              |  | 2020/08/27     |  |                 |  | PRODUCT CUSTOMER DRAWING              |  |
|   |  |       |  | INITIAL REVISION:                      |  |                |  | DOCUMENT NUMBER |  | DOC TYPE DOC PART REVISION            |  |
|   |  |       |  | DRWN: MLEVYTSKYY                       |  | 2009/01/22     |  | E39XXXXXXXXXXXX |  | PSD 001 B                             |  |
|   |  |       |  | APPR: MWOLSZCZAK                       |  | 2009/01/22     |  |                 |  |                                       |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  |       |  | THIRD ANGLE PROJECTION                 |  | DRAWING        |  | SERIES          |  | MATERIAL NUMBER CUSTOMER SHEET NUMBER |  |
|   |  |       |  |  |  | A3-SIZE        |  | 121050          |  | SEE TABLE GENERAL MARKET 2 OF 4       |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/08/27 | 08:37:23 |
|-----------------|----|--------------|------------|----------|

TABELA 2 KABLE/TABLE 2 CABLES

TABELA 2 KABLE/TABLE 2 CABLES

| MOLEX PN   | mPm | Code | PRZEW | PRZEKROJ | MATERIAL             | KOLOR/COLOUR       | SREDNICA Ø    | DIN A-B | DIN C |
|------------|-----|------|-------|----------|----------------------|--------------------|---------------|---------|-------|
| 1210180080 | I   | 0    | 3     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     |
| 1210180467 | A   | 2    | 2     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |
| -          | A   | 2    | 3     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   |
| 1210180394 | A   | 2    | 4     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   |
| -          | A   | 2    | 5     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |
| 1210180297 | B   | 2    | 2     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |
| 1210180126 | B   | 2    | 3     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   |
| 1210180387 | B   | 2    | 4     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   |
| -          | B   | 2    | 5     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |
| 1210180122 | D   | 2    | 3     | 0,5 mm2  | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     |
| -          | F   | 2    | 3     | 0,5 mm2  | CNOMO                | Szary/Grey RAL7000 | 5,5+/-0,2 mm  | OK.     | OK.   |
| 1210180047 | I   | 2    | 2     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   |
| -          | I   | 2    | 3     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   |
| 1210180146 | I   | 2    | 4     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 6,5+/-0,2 mm  | OK.     |       |
| 1210180177 | I   | 2    | 5     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7+/-0,2 mm    | OK.     |       |
| 1210180022 | N   | 2    | 2     | 0,5 mm2  | PVCH03               | Czarny/Black       | 5,1+ 0,2-0 mm | OK.     | OK.   |
| 1210180064 | N   | 2    | 3     | 0,5 mm2  | PVCH03               | Czarny/Black       | 5,4+ 0,2-0 mm | OK.     | OK.   |
| 1210180153 | N   | 2    | 4     | 0,5 mm2  | PVCH03               | Czarny/Black       | 5,75+0,2-0 mm | OK.     | OK.   |
| 1210180046 | P   | 2    | 2     | 0,5 mm2  | PUR - BLEND          | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |
| -          | P   | 2    | 3     | 0,5 mm2  | PUR - BLEND          | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   |
| 1210180302 | P   | 2    | 4     | 0,5 mm2  | PUR - BLEND          | Czarny/Black       | -             | -       | -     |
| -          | P   | 2    | 5     | 0,5 mm2  | PUR - BLEND          | Czarny/Black       | 7+/-0,2 mm    | OK.     | OK.   |
| 1210180409 | A   | 3    | 2     | 18 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |
| 1210180129 | A   | 3    | 3     | 18 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |
| 1210180159 | A   | 3    | 4     | 18 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |
| -          | A   | 3    | 5     | 18 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 7,8+/-0,2 mm  | OK.     |       |
| 1210180351 | B   | 3    | 2     | 18 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |
| 1210180127 | B   | 3    | 3     | 18 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |
| 1210180127 | B   | 3    | 4     | 18 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 7+/-0,2 mm    | OK.     |       |
| -          | B   | 3    | 5     | 18 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 7,8+/-0,2 mm  | OK.     |       |
| 1210180073 | D   | 3    | 3     | 0,75 mm2 | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     |
| 1210180145 | D   | 3    | 4     | 0,75 mm2 | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     |
| 1210180120 | I   | 3    | 3     | 0,75 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     |
| 1210180143 | I   | 3    | 4     | 0,75 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -             | -       | -     |
| 1210180032 | N   | 3    | 2     | 0,75 mm2 | PVCH05               | Czarny/Black       | 6,2+ 0,2-0 mm | OK.     |       |
| 1210180069 | N   | 3    | 3     | 0,75 mm2 | PVCH05               | Czarny/Black       | 6,6+0,2-0 mm  | OK.     |       |
| -          | N   | 3    | 4     | 0,75 mm2 | PVCH05               | Czarny/Black       | 7,15+0,2-0 mm | OK.     |       |
| 1210180174 | N   | 3    | 5     | 0,75 mm2 | PVCH05               | Czarny/Black       | 8,0+0,2-0 mm  | OK.     |       |
| -          | P   | 3    | 2     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 6,5+/-0,2 mm  | OK.     |       |

| MOLEX PN   | mPm | Code | PRZEW | PRZEKROJ | MATERIAL             | KOLOR/COLOUR       | SREDNICA Ø   | DIN A-B | DIN C |
|------------|-----|------|-------|----------|----------------------|--------------------|--------------|---------|-------|
| 1210180071 | P   | 3    | 3     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |
| 1210180152 | P   | 3    | 4     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 7+/-0,2 mm   | OK.     |       |
| 1210180384 | R   | 3    | 3     | 0,75 mm2 | TPR HAL. FREE        | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |
| 1210180094 | T   | 3    | 3     | 0,75 mm2 | PUR CSA/UL           | Żółty/Yellow       | -            | -       | -     |
| 1210180309 | Y   | 3    | 3     | 0,75 mm2 | SIL/0300             | Czerwony/Red       | 6,5+/-0,2 mm | -       | -     |
| 1210180081 | F   | 4    | 3     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | -            | -       | -     |
| -          | F   | 4    | 4     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | 7,1+0,2-0 mm | OK.     |       |
| 1210180042 | I   | 4    | 2     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |
| 1210180079 | I   | 4    | 3     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |
| 1210180036 | N   | 4    | 2     | 1 mm2    | PVCH05               | Czarny/Black       | 6,5+0,2-0 mm | OK.     |       |
| 1210180082 | N   | 4    | 3     | 1 mm2    | PVCH05               | Czarny/Black       | 6,9+0,2-0 mm | OK.     |       |
| 1210180117 | R   | 4    | 3     | 1 mm2    | TPR HAL. FREE        | Czarny/Black       | -            | -       | -     |
| 1210180085 | N   | 5    | 3     | 1,5 mm2  | PVCH05               | Czarny/Black       | 8,3+0,2-0 mm | OK.     |       |
| 1210180313 | I   | 6    | 2     | 0,35 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |
| -          | A   | 7    | 3     | 20 AWG   | PVC CSA/UL 2661      | Żółty/Yellow       | 5,6+/-0,2 mm | OK.     | OK.   |
| 1210180149 | I   | 9    | 4     | 0,75 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |

TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE

| Znakowanie | Rodzaje kabla | Właściwości   | Przekroje  |
|------------|---------------|---|--|
| /Code      | /Cable types  | /Features   | /Stranding   |
| N          | PVC           | Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance.  | 0.5 mm2 = 15 x 0.20<br>0.75 mm2 = 21 x 0.20<br>1 mm2 = 28 x 0.20 |
| I          | PVC           | Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.  | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 |
| P          | PVC           | Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.  | 0.5 mm2 = 28 x 0.15<br>0.75 mm2 = 42 x 0.15<br>1 mm2 = 32 x 0.20 |
| A          | PVC           | Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance. | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15                         |
| B          | PVC           | Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystancja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals.   | 20 AWG = 32 x 0.15<br>18 AWG = 52 x 0.15                         |

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SCALE: mm NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          |   |   |
|----------|---|---|
| 4 PLACES | ± | ± |
| 3 PLACES | ± | ± |
| 2 PLACES | ± | ± |
| 1 PLACE  | ± | ± |
| 0 PLACES | ± | ± |

ANGULAR TOL ± °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 121050

MATERIAL NUMBER: SEE TABLE

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 3 OF 4

EC NO: 641324  
DRWN: AKUMAR19 2020/06/29  
CHK'D: GGA 2020/08/27  
APPR: GGA 2020/08/27

INITIAL REVISION:  
DRWN: MLEVYTSKY 2009/01/22  
APPR: MWOLSZCZAK 2009/01/22

DOCUMENT NUMBER: E39XXXXXXXXXXXXX

DOC TYPE: PSD

DOC PART: 001

REVISION: B



**molex**

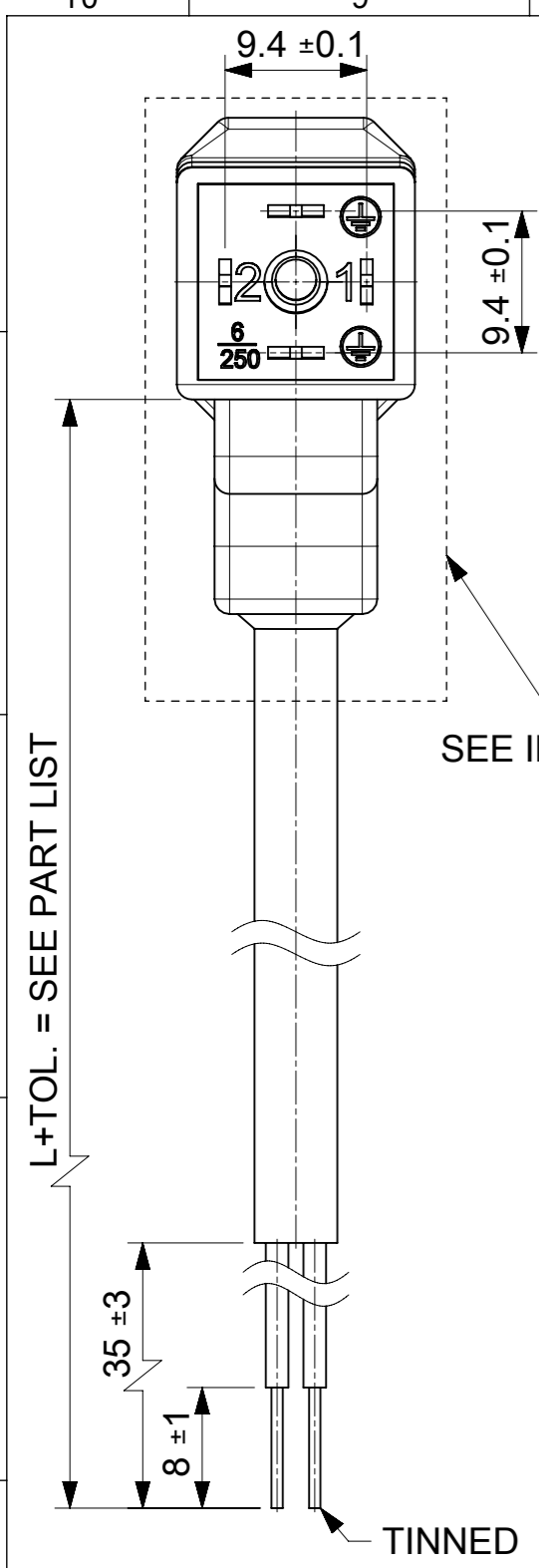
MPM E39XXXXXXXXXXXXX

PRODUCT CUSTOMER DRAWING

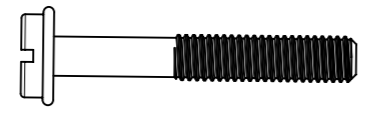
TABELA 3/CHART 3

| Molex PN   | Woodhead PN     | Molex PN   | Woodhead PN     | Molex PN   | Woodhead PN     |
|------------|-----------------|------------|-----------------|------------|-----------------|
| 1210502657 | E391A2A10011E05 | 1210502663 | E392N2N06011C4H | 1210500225 | E392N2N50021C4B |
| 1210502315 | E391IAN03011C4H | 1210500076 | E392N2N10011C4H | 1210500226 | E392N2N50021C4D |
| 1210502342 | E392A2A06011C4H | 1210500083 | E392N2N10012C4L | 1210500229 | E392N2N50061C4B |
| 1210502268 | E392A2A20011S0H | 1210502269 | E392N2N10K11C4H | 1210501987 | E392P2N11011C4H |
| 1210500022 | E392A2A30011C4H | 1210500102 | E392N2N10K21C4B | 1210500238 | E392P2N30011C4H |
| 1210502610 | E392A2A50011S0H | 1210500104 | E392N2N10K61C4B | 1210502573 | E396N2N10011C4H |
| 1210502645 | E392B2A10K11C4H | 1210500126 | E392N2N20011A1H | 1210502674 | E392I2N20012S12 |
| 1210501803 | E392B2A50011C4H | 1210500129 | E392N2N20011C42 | 1210502655 | E392N2N30011A1H |
| 1210501660 | E392I2N10011C4H | 1210500139 | E392N2N20014C43 | 1210502693 | W392N2N20011C4D |
| 1210500033 | E392I2N10012A1H | 1210502197 | E392N2N2001TA1H | 1210502928 | W392A2A10K11S0H |
| 1210502257 | E392I2N10012C4H | 1210500150 | E392N2N20021C4B | 1210502766 | W392N2N20011C4B |
| 1210500034 | E392I2N10K11C4H | 1210500151 | E392N2N20021C4D | 1210502961 | W392N2N20012C42 |
| 1210501697 | E392I2N20011C32 | 1210500157 | E392N2N20061C4B | 1210502761 | W392N2N50011C4B |
| 1210502630 | E392I2N20011S12 | 1210502556 | E392N2N20K11C4H | 1210502802 | W392N2N50011C4E |
| 1210500043 | E392I2N25011C4H | 1210500170 | E392N2N30011A12 | 1210502768 | W392P2N20011C4B |
| 1210500046 | E392I2N30011C42 | 1210500173 | E392N2N30011C42 | 1210502805 | W392P2N50011C4B |
| 1210500047 | E392I2N30011C4H | 1210500177 | E392N2N30011C4H | 1210502796 | W392N2N20011C4E |
| 1210500050 | E392I2N36011C4H | 1210502422 | E392N2N30011C4L | 1210502761 | W392N2N50011C4B |
| 1210500051 | E392I2N50011C3H | 1210500180 | E392N2N30012C43 | 1210502978 | E391N2N15011A12 |
| 1210502563 | E392I2N50011C44 | 1210500181 | E392N2N30012C4B | 1210500023 | E392A2A30011C4L |
| 1210500053 | E392I2N50011C4H | 1210502085 | E392N2N3001AC3H | 1210501686 | E392B2A11011C4H |
| 1210500062 | E392N2N05012E05 | 1210500187 | E392N2N3001AC4H | 1210500206 | E392N2N50011C42 |
| 1210500135 | E392N2N20011C4H | 1210500202 | E392N2N50011A12 |            |                 |
|            |                 | 1210500215 | E392N2N50012C42 |            |                 |
|            |                 | 1210500220 | E392N2N5001AC44 |            |                 |
|            |                 | 1210500184 | E392N2N30012C4H |            |                 |

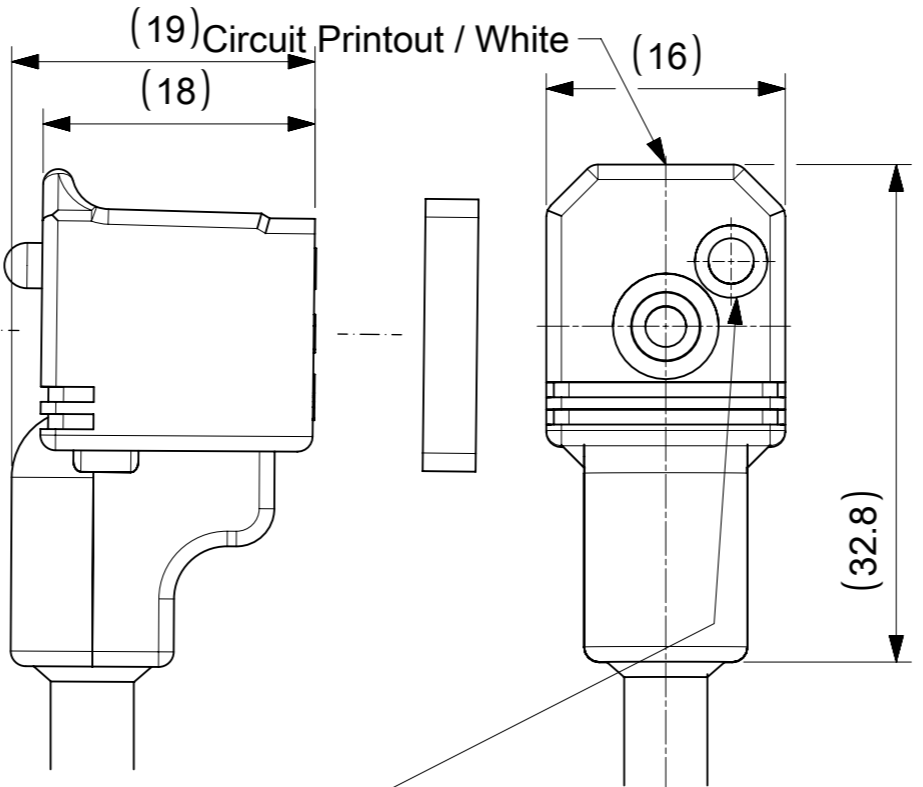
|   |  |   |  |  |  |            |  |   |  |
|---|--|---|--|--|--|------------|--|---|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |   |  |  |  |            |  |   |  |
| DIMENSION UNITS   |  | SCALE   |  | CURRENT REV DESC: OBSOLETE PART NUMBER |  |            |  |  |  |
| mm  |  | NTS   |  |  |  |            |  |   |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |  |   |  | EC NO: 641324                          |  | 2020/06/29 |  | PRODUCT CUSTOMER DRAWING  |  |
|   |  |   |  | DRWN: AKUMAR19                         |  | 2020/08/27 |  |   |  |
|   |  |   |  | CHK'D: GGA                             |  | 2020/08/27 |  | DOCUMENT NUMBER<br><b>E39XXXXXXXXXXXX</b>   |  |
|   |  |   |  | APPR: GGA                              |  | 2020/08/27 |  |   |  |
|   |  |   |  | INITIAL REVISION:                      |  | 2009/01/22 |  | DOC TYPE<br>PSD   |  |
|   |  |   |  | DRWN: MLEVYTSKYY                       |  | 2009/01/22 |  |   |  |
|   |  |   |  | APPR: MWOLSZCZAK                       |  | 2009/01/22 |  | DOC PART<br>001   |  |
|   |  |   |  |  |  |            |  |   |  |
|   |  |   |  | ANGULAR TOL ± °                        |  |            |  | REVISION<br>B   |  |
|   |  |   |  |  |  |            |  |   |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |  | THIRD ANGLE PROJECTION  |  | DRAWING                                |  | SERIES     |  | SHEET NUMBER  |  |
|   |  |  |  | A3-SIZE                                |  | 121050     |  | 4 OF 4  |  |



See table & PN KEY for Types of Screws and Gaskets

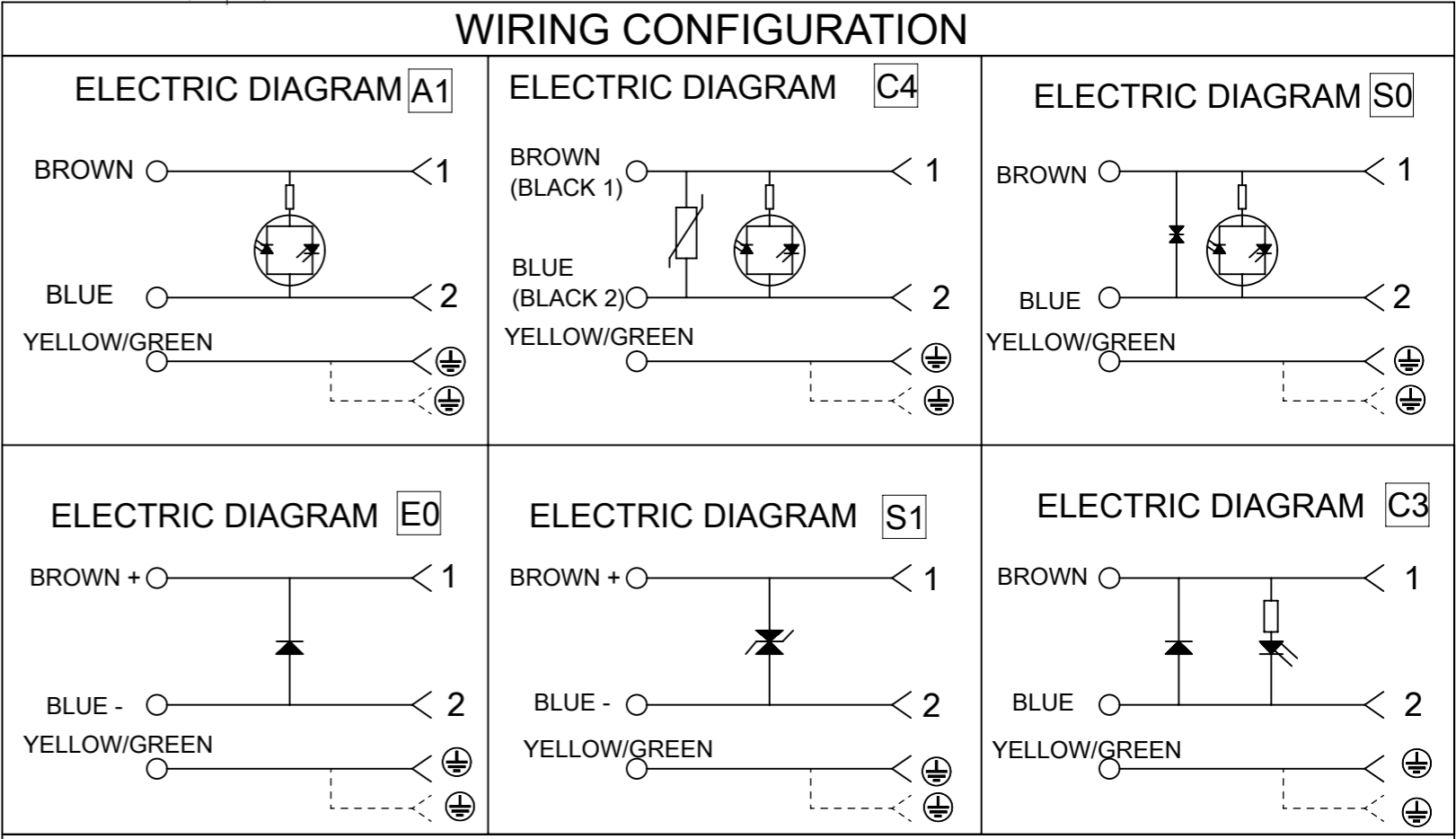


FACE VIEW  
SEE INSERT ORIENTATION



NOTE : IN THE CASE OF E0 , S1 CIRCUITS DIN CONNECTOR WITHOUT LED

| INSERT ORIENTATION                    |                                  |                                     |
|---------------------------------------|----------------------------------|-------------------------------------|
| EARTH ON 6H & 12H<br>E39XXXXXXXX1XXXX | EARTH ON 12H<br>E39XXXXXXXX2XXXX | EARTH PIN ON 6H<br>E39XXXXXXXX6XXXX |
|                                       |                                  |                                     |



NOTE : FOR E391XXXXXXXXXXXXX CIRCUIT WITHOUT GROUND

| TYPES OF SCREWS AND GASKETS |                     |                 |
|-----------------------------|---------------------|-----------------|
| Flat Gasket<br>             | Profiled Gasket<br> | Screw M3x20<br> |
|                             |                     | Screw M3x20<br> |
|                             |                     | NBR Washer<br>  |

|   |              |                              |         |                                    |                 |
|---|--------------|------------------------------|---------|------------------------------------|-----------------|
| 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<br>mm   | SCALE<br>2:1 |                              |         |                                    |                 |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |              | EC NO: 723299                |         | E39XXXXXXXXXXXXX<br>DIN FORM MICRO |                 |
| ANGULAR TOL ± °   |              | DRWN: APAWLAK01 2022/09/30   |         | PRODUCT CUSTOMER DRAWING           |                 |
| 4 PLACES ±  |              | CHK'D: RSILLER 2022/09/30    |         | DOCUMENT NUMBER                    |                 |
| 3 PLACES ±  |              | APPR: RSILLER 2022/09/30     |         | SD-121050-007                      |                 |
| 2 PLACES ±  |              | INITIAL REVISION:            |         | DOC TYPE DOC PART REVISION         |                 |
| 1 PLACE ±   |              | DRWN: JMARSZALEK 2012/11/28  |         | PSD 001 C2                         |                 |
| 0 PLACES ±  |              | APPR: MIWASIECZKO 2013/02/12 |         |                                    |                 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |              | THIRD ANGLE PROJECTION       | DRAWING | SERIES                             | MATERIAL NUMBER |
|   |              |                              | A3-SIZE | 121050                             | CUSTOMER        |
|   |              |                              |         |                                    | GENERAL MARKET  |
|   |              |                              |         |                                    | SHEET NUMBER    |
|   |              |                              |         |                                    | 1 OF 3          |

# PART NO MATRIX :

**E 3 9 X X X X X X X X X X X X X**

E - Packing without bag

Number of wires:  
1- 2 Wires  
2- 2 Wires + Earth  
3- 3 Wires + Earth

Cable type:  
See Cable List

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

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

Internal Circuit :  
See Wiring Configuration

Voltage and LED Color :

|          |          |          |
|----------|----------|----------|
| 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 |


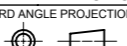
RED LED      GREEN LED      YELLOW LED

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

Type of Gasket and Screw (see sheet 1) :  
1 = NBR Profile Gasket + Fixing Screw (M3x20mm)  
2 = NBR Flat Gasket + Fixing Screw (M3x20mm)  
3 = Silicone Profile Gasket + Fixing Screw (M3x20mm)  
4 = Silicone Profile Gasket + Screw (M3x20mm)  
T = NBR Profile Gasket + Fixing Screw with Washer (M3x20mm)

## CABLE LIST

| MOLEX PN   | NO. OF WIRES CODE (SEE PN MATRIX) | CABLE TYPE | NO. OF WIRES | CROSS SECTION       | CABLE O.D.   | CABLE JACKET | WIRES COLOR       |
|------------|-----------------------------------|------------|--------------|---------------------|--------------|--------------|-------------------|
| 1210180467 | 1                                 | A2         | 2            | AWG 20              | ∅5.4±0.2 mm  | PVC BLACK    | BN, BU            |
| 1210180128 | 2                                 | A2         | 3            | AWG 20              | ∅5.6±0.2 mm  | PVC BLACK    | BN, BU, GN/YE     |
| 1210180394 | 3                                 | A2         | 4            | AWG 20              | ∅6.2±0.25 mm | PVC BLACK    | BN, BU, BK, GN/YE |
| 1210180047 | 1                                 | I2         | 2            | 0.5mm <sup>2</sup>  | ∅5.5+0.3 mm  | PVC GREY     | BN, BU            |
| 1210180284 | 2                                 | I2         | 3            | 0.5mm <sup>2</sup>  | ∅5.5+0.3 mm  | PVC GREY     | BN, BU, GN/YE     |
| 1210180146 | 3                                 | I2         | 4            | 0.5mm <sup>2</sup>  | ∅6.5+0.2 mm  | PVC GREY     | BN, BU, BK, GN/YE |
| 1210180022 | 1                                 | N2         | 2            | 0.5mm <sup>2</sup>  | ∅5.2±0.2 mm  | PVC BLACK    | BN, BU            |
| 1202092753 | 2                                 | N2         | 3            | 0.5mm <sup>2</sup>  | ∅5.5±0.2 mm  | PVC BLACK    | BN, BU, GN/YE     |
| 1210180153 | 3                                 | N2         | 4            | 0.5mm <sup>2</sup>  | ∅5.9±0.3 mm  | PVC BLACK    | BN, BU, BK, GN/YE |
| 1202092439 | 2                                 | P2         | 3            | 0.5mm <sup>2</sup>  | ∅5.5+0.3 mm  | PUR BLACK    | BN, BU, GN/YE     |
| 1210180302 | 3                                 | P2         | 4            | 0.5mm <sup>2</sup>  | ∅6.5±0.2 mm  | PUR BLACK    | BN, BU, BK, GN/YE |
| 1202094190 | 1                                 | P3         | 2            | 0.75mm <sup>2</sup> | ∅6.5±0.2 mm  | PUR BLACK    | BN, BU            |
| 1210180126 | 2                                 | B2         | 3            | AWG 20              | ∅5.6±0.2 mm  | PUR BLACK    | BN, BU, GN/YE     |
| 1210180016 | 1                                 | IA         | 2            | 0.25mm <sup>2</sup> | ∅3.5±0.15mm  | PVC GREY     | BN, BU            |
| 1202090957 | 2                                 | I8         | 3            | 0.5mm <sup>2</sup>  | ∅5.5±0.2 mm  | PVC GREY     | BN, BU, GN/YE     |

|   |       |   |         |        |  |  |                |  |              |
|---|-------|---|---------|--------|--|--|----------------|--|--------------|
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| DIMENSION UNITS   | SCALE | CURRENT REV DESC:   |         |        | <br>E39XXXXXXXXXX<br>DIN FORM MICRO |  |                |  |              |
| mm  | 2:1   |   |         |        |  |  |                |  |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |       | EC NO: 723299   |         |        | DOCUMENT NUMBER  |  |                |  |              |
| ANGULAR TOL ± °   |       | DRWN: APAWLAK01 2022/09/30  |         |        | SD-121050-007  |  |                |  |              |
| 4 PLACES ±  |       | CHK'D: RSILLER 2022/09/30   |         |        | DOC TYPE DOC PART REVISION   |  |                |  |              |
| 3 PLACES ±  |       | APPR: RSILLER 2022/09/30  |         |        | PSD 001 C2   |  |                |  |              |
| 2 PLACES ±  |       | INITIAL REVISION:   |         |        | MATERIAL NUMBER CUSTOMER   |  |                |  |              |
| 1 PLACE ±   |       | DRWN: JMARSZALEK 2012/11/28   |         |        | SEE TABLE GENERAL MARKET   |  |                |  |              |
| 0 PLACES ±  |       | APPR: MIWASIECZKO 2013/02/12  |         |        | SHEET NUMBER   |  |                |  |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |       | THIRD ANGLE PROJECTION  | DRAWING | SERIES | MATERIAL NUMBER  |  | CUSTOMER       |  | SHEET NUMBER |
|   |       |  | A3-SIZE | 121050 | SEE TABLE  |  | GENERAL MARKET |  | 2 OF 3       |


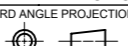
PART LIST :

| MOLEX PN   | ENGINEERING NO. | LENGTH in MM |
|------------|-----------------|--------------|
| 1210500022 | E392A2A30011C4H | 3000         |
| 1210500023 | E392A2A30011C4L | 3000         |
| 1210500033 | E392I2N10012A1H | 1000         |
| 1210500034 | E392I2N10K11C4H | 10000        |
| 1210500043 | E392I2N25011C4H | 2500         |
| 1210500046 | E392I2N30011C42 | 3000         |
| 1210500047 | E392I2N30011C4H | 3000         |
| 1210500050 | E392I2N36011C4H | 3600         |
| 1210500051 | E392I2N50011C3H | 5000         |
| 1210500053 | E392I2N50011C4H | 5000         |
| 1210500062 | E392N2N05012E05 | 500          |
| 1210500076 | E392N2N10011C4H | 1000         |
| 1210500078 | E392N2N10012C42 | 1000         |
| 1210500082 | E392N2N10012C4H | 1000         |
| 1210500083 | E392N2N10012C4L | 1000         |
| 1210500102 | E392N2N10K21C4B | 10000        |
| 1210500104 | E392N2N10K61C4B | 10000        |
| 1210500126 | E392N2N20011A1H | 2000         |
| 1210500129 | E392N2N20011C42 | 2000         |
| 1210500131 | E392N2N20011C4B | 2000         |
| 1210500135 | E392N2N20011C4H | 2000         |
| 1210500136 | E392N2N20011S0H | 2000         |
| 1210500139 | E392N2N20014C43 | 2000         |
| 1210500150 | E392N2N20021C4B | 2000         |
| 1210500151 | E392N2N20021C4D | 2000         |
| 1210500157 | E392N2N20061C4B | 2000         |
| 1210500170 | E392N2N30011A12 | 3000         |
| 1210500173 | E392N2N30011C42 | 3000         |
| 1210500177 | E392N2N30011C4H | 3000         |
| 1210500180 | E392N2N30012C43 | 3000         |
| 1210500181 | E392N2N30012C4B | 3000         |
| 1210500184 | E392N2N30012C4H | 3000         |
| 1210500185 | E392N2N30012C4L | 3000         |

| MOLEX PN   | ENGINEERING NO. | LENGTH in MM |
|------------|-----------------|--------------|
| 1210500202 | E392N2N50011A12 | 5000         |
| 1210500206 | E392N2N50011C42 | 5000         |
| 1210500211 | E392N2N50011C4E | 5000         |
| 1210500212 | E392N2N50011C4H | 5000         |
| 1210500215 | E392N2N50012C42 | 5000         |
| 1210500217 | E392N2N50012C4H | 5000         |
| 1210500218 | E392N2N50012C4L | 5000         |
| 1210500225 | E392N2N50021C4B | 5000         |
| 1210500226 | E392N2N50021C4D | 5000         |
| 1210500229 | E392N2N50061C4B | 5000         |
| 1210500232 | E392P2N10012C4H | 1000         |
| 1210500233 | E392P2N10012C4L | 1000         |
| 1210500236 | E392P2N20011C4B | 2000         |
| 1210500238 | E392P2N30011C4H | 3000         |
| 1210500239 | E392P2N30012C4H | 3000         |
| 1210500240 | E392P2N30012C4L | 3000         |
| 1210500243 | E392P2N50012C4H | 5000         |
| 1210501580 | E392I2N06011C42 | 600          |
| 1210501660 | E392I2N10011C4H | 1000         |
| 1210501686 | E392B2A11011C4H | 1100         |
| 1210501692 | E392P2N06011C4H | 600          |
| 1210501697 | E392I2N20011C32 | 2000         |
| 1210501736 | E392N2N15K12C4H | 15000        |
| 1210501745 | E392B2A20011C4H | 2000         |
| 1210501803 | E392B2A50011C4H | 5000         |
| 1210501987 | E392P2N11011C4H | 1100         |
| 1210502197 | E392N2N2001TA1H | 2000         |
| 1210502257 | E392I2N10012C4H | 1000         |
| 1210502268 | E392A2A20011S0H | 2000         |
| 1210502269 | E392N2N10K11C4H | 10000        |
| 1210502303 | E392N2N05021C32 | 500          |
| 1210502315 | E391IAN03011C4H | 300          |
| 1210502342 | E392A2A06011C4H | 600          |

| MOLEX PN   | ENGINEERING NO.   | LENGTH in MM |
|------------|-------------------|--------------|
| 1210502422 | E392N2N30011C4L   | 3000         |
| 1210502500 | E392P2N10011C4H   | 1000         |
| 1210502556 | E392N2N20K11C4H   | 20000        |
| 1210502563 | E392I2N50011C44   | 5000         |
| 1210502610 | E392A2A50011S0H   | 5000         |
| 1210502630 | E392I2N20011S12   | 2000         |
| 1210502645 | E392B2A10K11C4H   | 10000        |
| 1210502655 | E392N2N30011A1H   | 3000         |
| 1210502657 | E391A2A10011E05   | 1000         |
| 1210502663 | E392N2N06011C4H   | 600          |
| 1210502674 | E392I2N20012S12   | 2000         |
| 1210502978 | E391N2N15011A12   | 1500         |
| 1210503052 | E392A2A10011S0H   | 1000         |
| 1210503055 | E392P2N03511C4H   | 350          |
| 1210503293 | E392I2N15K11C4H   | 15000        |
| 1210503304 | E392I2N50011C4L   | 5000         |
| 1210503314 | E392N2N50011C4L   | 5000         |
| 1210503324 | E392N2N10K11C45   | 10000        |
| 1210503349 | E392P2N20011C4H   | 2000         |
| 1210503355 | E392N2N30011C4M   | 3000         |
| 1210503408 | E392A2A50011C4H   | 5000         |
| 1210503427 | E392N2N10012C4M   | 1000         |
| 1210503437 | E392P2N10011C4L   | 1000         |
| 1210503438 | E392P2N10011C4M   | 1000         |
| 1210503458 | E392I2N20012C42   | 2000         |
| 1210503459 | E392I2N50012C42   | 5000         |
| 1210503462 | E392I2N30012C45   | 3000         |
| 1210503472 | E392N2N10011C4M   | 1000         |
| 1210503528 | E392A2A20011C4H   | 2000         |
| 1210503530 | E392P2N10K11S0H   | 10000        |
| 1210503557 | E392N2N50011C45   | 5000         |
| 1210503592 | E391N2N01512C4B   | 150          |
| 1210503613 | E392I2N30011C426B | 3000         |

| 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    |

|   |       |   |         |        |   |                |  |              |  |
|---|-------|---|---------|--------|---|----------------|--|--------------|--|
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| DIMENSION UNITS   | SCALE | CURRENT REV DESC:   |         |        | <br>E39XXXXXXXXXXXXX<br>DIN FORM MICRO |                |  |              |  |
| mm  | 2:1   |   |         |        |   |                |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)   |       | EC NO: 723299   |         |        | PRODUCT CUSTOMER DRAWING  |                |  |              |  |
| ANGULAR TOL ± °   |       | DRWN: APAWLAK01 2022/09/30  |         |        | DOCUMENT NUMBER   |                |  |              |  |
| 4 PLACES ±  |       | CHK'D: RSILLER 2022/09/30   |         |        | SD-121050-007   |                |  |              |  |
| 3 PLACES ±  |       | APPR: RSILLER 2022/09/30  |         |        | DOC TYPE DOC PART REVISION  |                |  |              |  |
| 2 PLACES ±  |       | INITIAL REVISION:   |         |        | PSD 001 C2  |                |  |              |  |
| 1 PLACE ±   |       | DRWN: JMARSZALEK 2012/11/28   |         |        |   |                |  |              |  |
| 0 PLACES ±  |       | APPR: MIWASIECZKO 2013/02/12  |         |        |   |                |  |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  |       | THIRD ANGLE PROJECTION  | DRAWING | SERIES | MATERIAL NUMBER   | CUSTOMER       |  | SHEET NUMBER |  |
|   |       |  | A3-SIZE | 121050 | SEE TABLE   | GENERAL MARKET |  | 3 OF 3       |  |