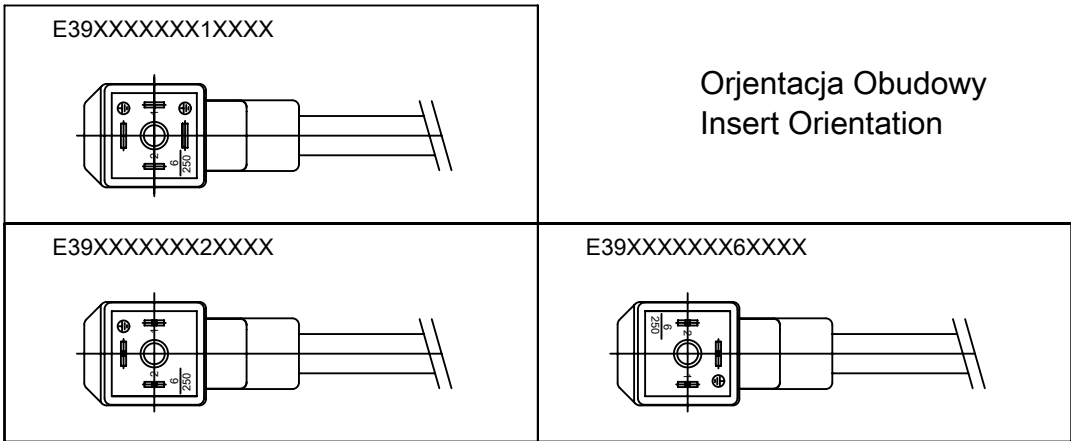
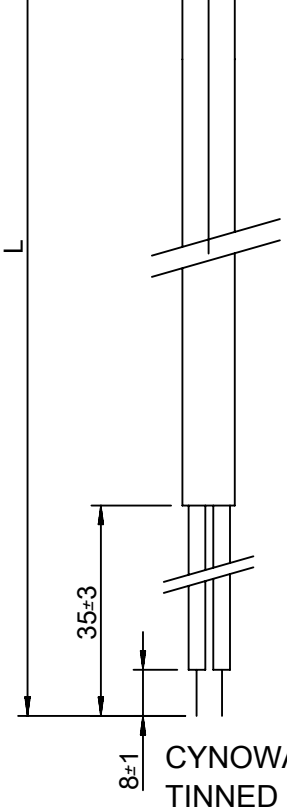
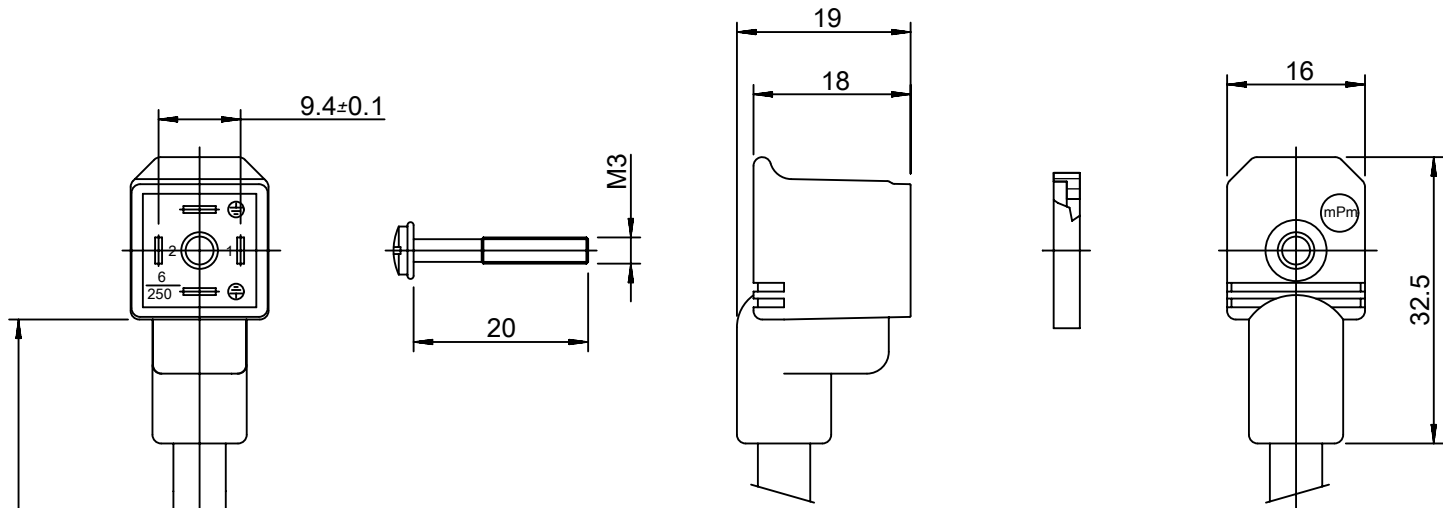




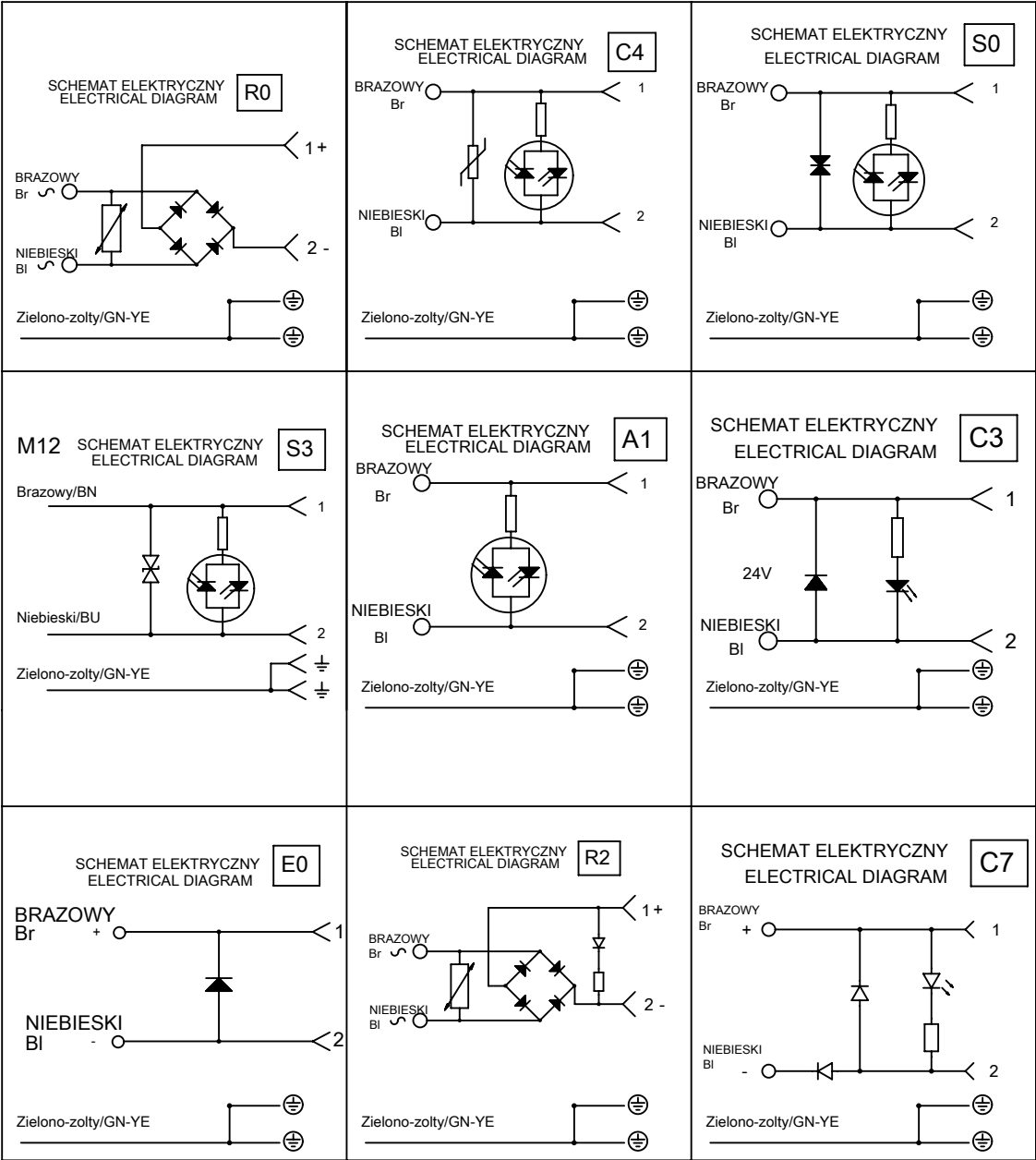
| Table of lenght tolerances/ Tablica tolerancji dlugosci mm |                                  |                      |
|------------------------------------------------------------|----------------------------------|----------------------|
| Over/Od                                                    | 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

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

|                                                      | MM  | INCH |
|------------------------------------------------------|-----|------|
| 4 PLACES                                             | ±   | ±    |
| 3 PLACES                                             | ±   | ±    |
| 2 PLACES                                             | ±   | ±    |
| 1 PLACE                                              | ±   | ±    |
| 0 PLACES                                             | ±   | ±    |
| ANGULAR TOL                                          | ± ° |      |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |     |      |

CURRENT REV DESC: OBSOLETE PART NUMBER

EC NO: 641324

DRWN: AKUMAR19

CHK'D: GGA

APPR: GGA

2020/06/29

2020/08/27

2020/08/27

2020/08/27

INITIAL REVISION:

DRWN: MLEVYTSKYY

APPR: MWOLSZCZAK

2009/01/22

2009/01/22

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

121050

DOCUMENT NUMBER

E39XXXXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

E39XXXXXXXXXXXX

DOC TYPE

PSD

DOC PART

001

REVISION

B

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 4

molex

MPM E39XXXXXXXXXXXX

[illegible]

|                               |     |      |       |          |                      |                    |               |         |       |                                         |     |      |       |          |                      |                    |              |         |       |
|-------------------------------|-----|------|-------|----------|----------------------|--------------------|---------------|---------|-------|-----------------------------------------|-----|------|-------|----------|----------------------|--------------------|--------------|---------|-------|
| 10                            |     | 9    |       | 8        |                      | 7                  |               | 6       |       | 5                                       |     | 4    |       | 3        |                      | 2                  |              | 1       |       |
| 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 | 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 | -             | -       | -     | 1210180071                              | P   | 3    | 3     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |
| 1210180467                    | A   | 2    | 2     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180152                              | P   | 3    | 4     | 0,75 mm2 | PUR - BLEND          | Czarny/Black       | 7+/-0,2 mm   | OK.     |       |
| -                             | A   | 2    | 3     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   | 1210180384                              | R   | 3    | 3     | 0,75 mm2 | TPR HAL. FREE        | Czarny/Black       | 6,5+/-0,2 mm | OK.     |       |
| 1210180394                    | A   | 2    | 4     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   | 1210180094                              | T   | 3    | 3     | 0,75 mm2 | PUR CSA/UL           | Żółty/Yellow       | -            | -       | -     |
| -                             | A   | 2    | 5     | 20 AWG   | PVC CSA/UL 2661      | Czarny/Black       | 7+/-0,2 mm    | OK.     |       | 1210180309                              | Y   | 3    | 3     | 0,75 mm2 | SIL/0300             | Czerwony/Red       | 6,5+/-0,2 mm | -       | -     |
| 1210180297                    | B   | 2    | 2     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180081                              | F   | 4    | 3     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | -            | -       | -     |
| 1210180126                    | B   | 2    | 3     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 5,6+/-0,2 mm  | OK.     | OK.   | -                                       | F   | 4    | 4     | 1 mm2    | CNOMO                | Szary/Grey RAL7000 | 7,1+0,2-0 mm | OK.     |       |
| 1210180387                    | B   | 2    | 4     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 6,2+/-0,2 mm  | OK.     | OK.   | 1210180042                              | I   | 4    | 2     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |
| -                             | B   | 2    | 5     | 20 AWG   | PUR CSA/UL 20668     | Czarny/Black       | 7+/-0,2 mm    | OK.     |       | 1210180079                              | I   | 4    | 3     | 1 mm2    | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7,1+0,2-0 mm | OK.     |       |
| 1210180122                    | D   | 2    | 3     | 0,5 mm2  | PVC TI2 CEI 20-20    | Szary/Grey         | -             | -       | -     | 1210180036                              | N   | 4    | 2     | 1 mm2    | PVCH05               | Czarny/Black       | 6,5+0,2-0 mm | OK.     |       |
| -                             | F   | 2    | 3     | 0,5 mm2  | CNOMO                | Szary/Grey RAL7000 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180082                              | N   | 4    | 3     | 1 mm2    | PVCH05               | Czarny/Black       | 6,9+0,2-0 mm | OK.     |       |
| 1210180047                    | I   | 2    | 2     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180117                              | R   | 4    | 3     | 1 mm2    | TPR HAL. FREE        | Czarny/Black       | -            | -       | -     |
| -                             | I   | 2    | 3     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 5,5+/-0,2 mm  | OK.     | OK.   | 1210180085                              | N   | 5    | 3     | 1,5 mm2  | PVCH05               | Czarny/Black       | 8,3+0,2-0 mm | OK.     |       |
| 1210180146                    | I   | 2    | 4     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 6,5+/-0,2 mm  | OK.     |       | 1210180313                              | I   | 6    | 2     | 0,35 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |
| 1210180177                    | I   | 2    | 5     | 0,5 mm2  | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | 7+/-0,2 mm    | OK.     |       | -                                       | A   | 7    | 3     | 20 AWG   | PVC CSA/UL 2661      | Żółty/Yellow       | 5,6+/-0,2 mm | OK.     | OK.   |
| 1210180022                    | N   | 2    | 2     | 0,5 mm2  | PVCH03               | Czarny/Black       | 5,1+ 0,2-0 mm | OK.     | OK.   | 1210180149                              | I   | 9    | 4     | 0,75 mm2 | PVC CEI 2022 II O.R. | Szary/Grey RAL7035 | -            | -       | -     |
| 1210180064                    | N   | 2    | 3     | 0,5 mm2  | PVCH03               | Czarny/Black       | 5,4+ 0,2-0 mm | OK.     | OK.   | TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE |     |      |       |          |                      |                    |              |         |       |
| 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.     |       |                                         |     |      |       |          |                      |                    |              |         |       |

|            |               |                                                                                                                                                                                                           |                                                                  |
|------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 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 rezystanja 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                         |

|                                                                                                                                               |    |       |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|--|---------------------------------------------------------------------------------------------|--|---------|--|--------------------------|--|-----------------|----------|----------------|--|--------------|--|
| 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                                                      |  |         |  | <div>molex</div>         |  |                 |          |                |  |              |  |
| mm                                                                                                                                            |    | NTS   |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |       |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
|                                                                                                                                               | MM | INCH  |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
| 4 PLACES                                                                                                                                      | ±  | ±     |  | EC NO: 641324<br>DRWN: AKUMAR19 2020/06/29<br>CHK'D: GGA 2020/08/27<br>APPR: GGA 2020/08/27 |  |         |  | PRODUCT CUSTOMER DRAWING |  |                 |          |                |  |              |  |
| 3 PLACES                                                                                                                                      | ±  | ±     |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
| 2 PLACES                                                                                                                                      | ±  | ±     |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
| 1 PLACE                                                                                                                                       | ±  | ±     |  |                                                                                             |  |         |  |                          |  |                 |          |                |  |              |  |
| 0 PLACES                                                                                                                                      | ±  | ±     |  | INITIAL REVISION:                                                                           |  |         |  | DOCUMENT NUMBER          |  | DOC TYPE        | DOC PART | REVISION       |  |              |  |
| ANGULAR TOL                                                                                                                                   |    | ± °   |  | DRWN: MLEVYTSKYY 2009/01/22<br>APPR: MWOLSZCZAK 2009/01/22                                  |  |         |  | E39XXXXXXXXXXXXX         |  | PSD             | 001      | B              |  |              |  |
| 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 4       |  |

|                                    |  |    |              |            |          |   |  |   |  |   |  |   |  |   |  |   |  |   |  |
|------------------------------------|--|----|--------------|------------|----------|---|--|---|--|---|--|---|--|---|--|---|--|---|--|
| DOCUMENT STATUS                    |  | P1 | RELEASE DATE | 2020/08/27 | 08:37:23 | 7 |  | 6 |  | 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |
| FORMAT: Met-lega-master tb-prod-A3 |  | 9  |              | 8          |          | 7 |  | 6 |  | 5 |  | 4 |  | 3 |  | 2 |  | 1 |  |
| REVISION: E                        |  |    |              |            |          |   |  |   |  |   |  |   |  |   |  |   |  |   |  |
| DATE: 2020/01/14                   |  |    |              |            |          |   |  |   |  |   |  |   |  |   |  |   |  |   |  |

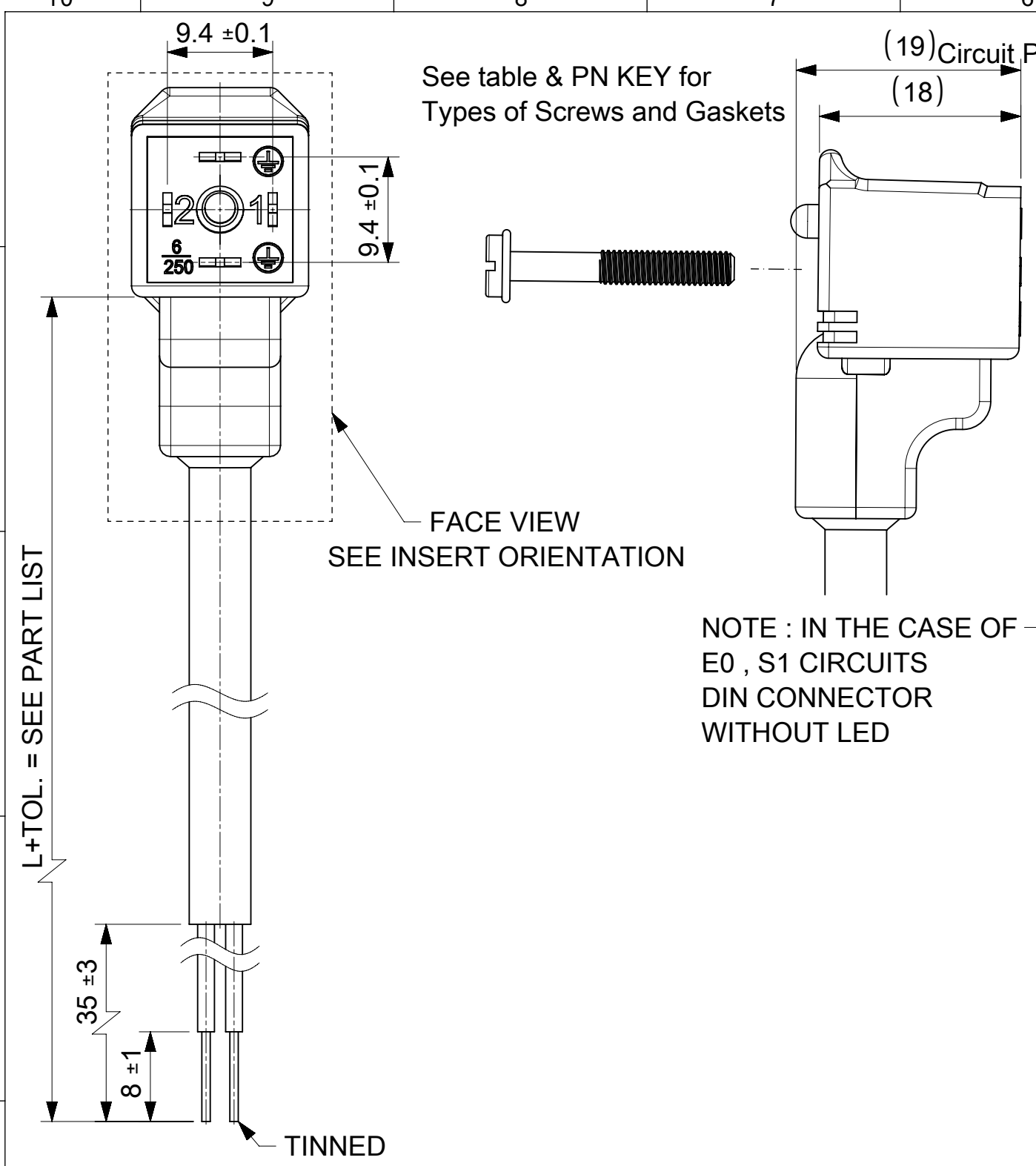
TABELA 3/CHART 3

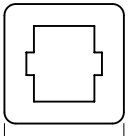
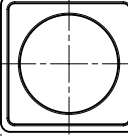
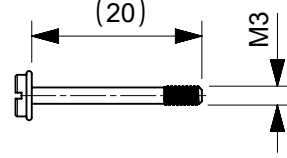
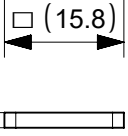
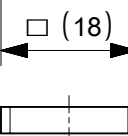
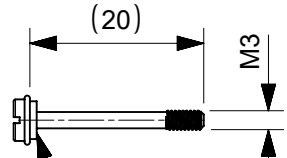
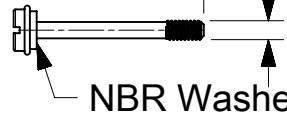
| Molex PN   | Woodhead PN     |  | Molex PN   | Woodhead PN     |  | Molex PN   | Woodhead PN     |
|------------|-----------------|--|------------|-----------------|--|------------|-----------------|
| 1210502657 | E391A2A10011E05 |  | 1210502663 | E392N2N06011C4H |  | 1210500225 | E392N2N50021C4B |
| 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 |  |            |                 |

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| DOCUMENT STATUS | P1 | RELEASE DATE | 2020/08/27 | 08:37:23 |
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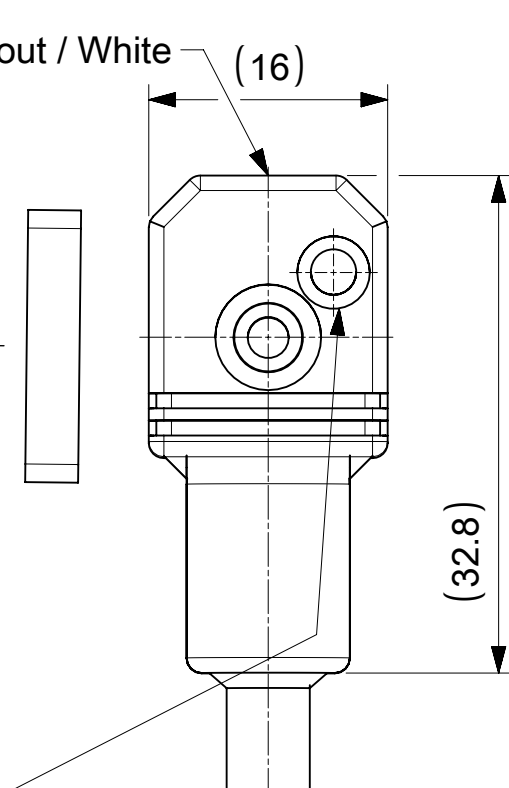
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REVISION: E  
DATE: 2020/01/14

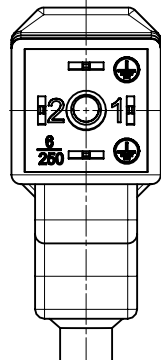
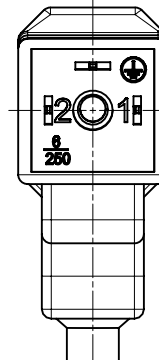
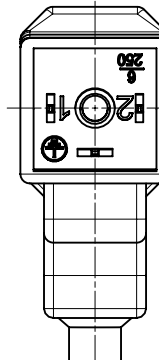
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|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|----------------------------------------------------------------------------------------------------------|--|---------|--------------------------|----------------------|----------|----------------|----------|--------------|
| 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                                                                   |  |         |                          | <div>molex</div>     |          |                |          |              |
| mm                                                                                                                                            |    | NTS   |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |    |       |   |                                                                                                          |  |         |                          | MPM E39XXXXXXXXXXXXX |          |                |          |              |
|                                                                                                                                               |    |       |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
|                                                                                                                                               | MM | INCH  |   | EC NO: 641324<br>DRWN: AKUMAR19<br>CHK'D: GGA<br>APPR: GGA<br><br>2020/06/29<br>2020/08/27<br>2020/08/27 |  |         | PRODUCT CUSTOMER DRAWING |                      |          |                |          |              |
| 4 PLACES                                                                                                                                      | ±  | ±     |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
| 3 PLACES                                                                                                                                      | ±  | ±     |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
| 2 PLACES                                                                                                                                      | ±  | ±     |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
| 1 PLACE                                                                                                                                       | ±  | ±     |   |                                                                                                          |  |         |                          |                      |          |                |          |              |
| 0 PLACES                                                                                                                                      | ±  | ±     |   | INITIAL REVISION:<br>DRWN: MLEVYTSKYY<br>APPR: MWOLSZCZAK<br><br>2009/01/22<br>2009/01/22                |  |         | DOCUMENT NUMBER          |                      | DOC TYPE | DOC PART       | REVISION |              |
| ANGULAR TOL                                                                                                                                   |    | ±     | ° |                                                                                                          |  |         | E39XXXXXXXXXXXXX         |                      | PSD      | 001            | B        |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |    |       |   | THIRD ANGLE PROJECTION                                                                                   |  | DRAWING | SERIES                   | MATERIAL NUMBER      |          | CUSTOMER       |          | SHEET NUMBER |
|                                                                                                                                               |    |       |   |                                                                                                          |  | A3-SIZE | 121050                   | SEE TABLE            |          | GENERAL MARKET |          | 4 OF 4       |



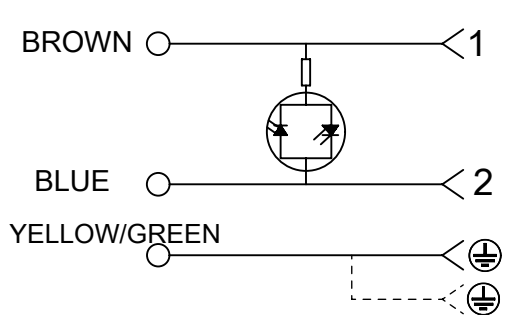
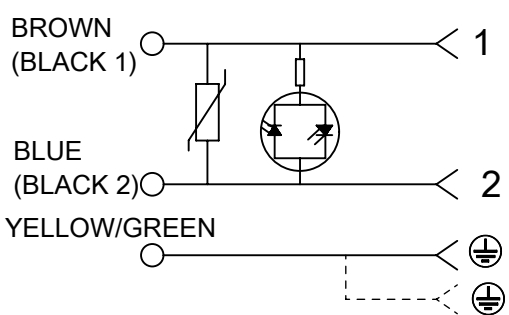
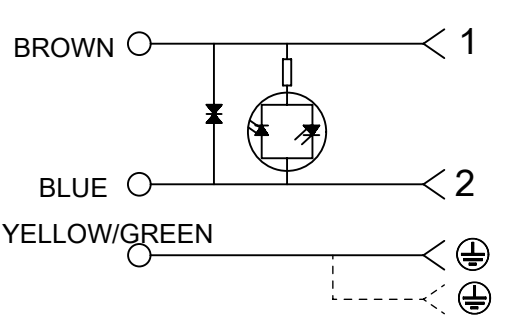
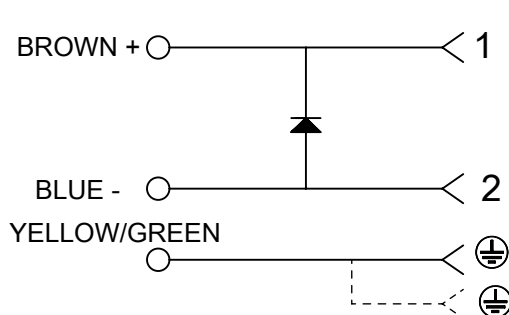
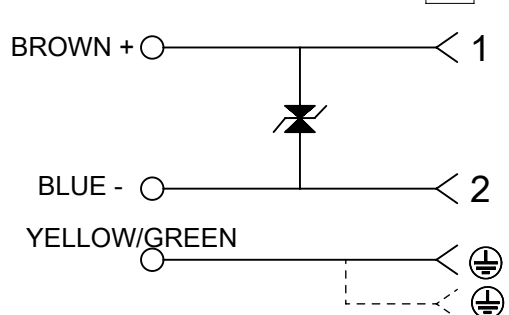
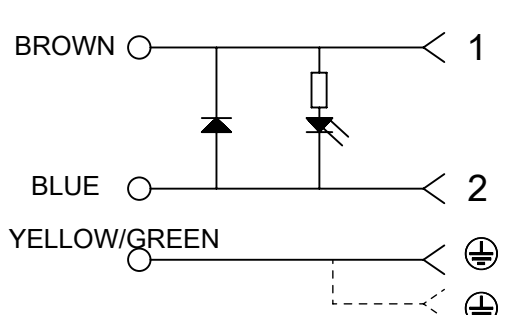
| TYPES OF SCREWS AND GASKETS                                                         |                                                                                     |                                                                                     |  |
|-------------------------------------------------------------------------------------|--------------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

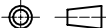
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|-----------------|----|--------------|------------|----------|



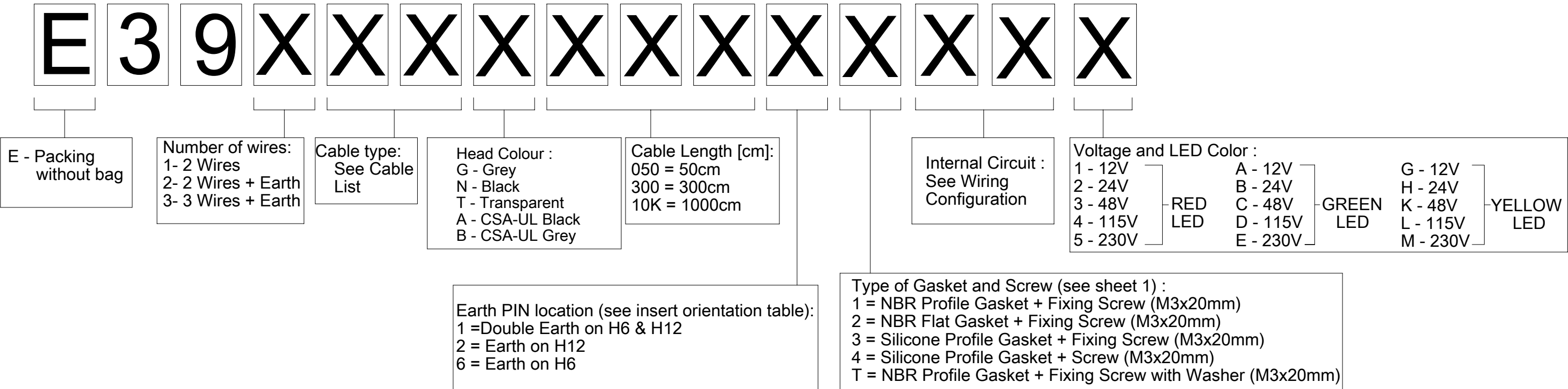
| INSERT ORIENTATION                                                                  |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-----------------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

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

| WIRING CONFIGURATION                                                                                                |                                                                                                                     |                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>ELECTRIC DIAGRAM A1</b><br>  | <b>ELECTRIC DIAGRAM C4</b><br>  | <b>ELECTRIC DIAGRAM S0</b><br>  |
| <b>ELECTRIC DIAGRAM E0</b><br> | <b>ELECTRIC DIAGRAM S1</b><br> | <b>ELECTRIC DIAGRAM C3</b><br> |
| NOTE : FOR E391XXXXXXXXXXXXX CIRCUIT WITHOUT GROUND                                                                 |                                                                                                                     |                                                                                                                     |

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

PART NO MATRIX :



CABLE LIST

| MOLEX PN   | NO. OF WIRES CODE<br>(SEE PN MATRIX) | CABLE TYPE | NO. OF WIRES | CROSS SECTION | CABLE O.D.   | CABLE JACKET | WIRES COLOR       |
|------------|--------------------------------------|------------|--------------|---------------|--------------|--------------|-------------------|
| 1210180467 | 1                                    | A2         | 2            | AWG 20        | Ø5.4±0.2 mm  | PVC BLACK    | BN, BU            |
| 1210180128 | 2                                    | A2         | 3            | AWG 20        | Ø5.6±0.2 mm  | PVC BLACK    | BN, BU, GN/YE     |
| 1210180394 | 3                                    | A2         | 4            | AWG 20        | Ø6.2±0.25 mm | PVC BLACK    | BN, BU, BK, GN/YE |
| 1210180047 | 1                                    | I2         | 2            | 0.5mm²        | Ø5.5+0.3 mm  | PVC GREY     | BN, BU            |
| 1210180284 | 2                                    | I2         | 3            | 0.5mm²        | Ø5.5+0.3 mm  | PVC GREY     | BN, BU, GN/YE     |
| 1210180146 | 3                                    | I2         | 4            | 0.5mm²        | Ø6.5+0.2 mm  | PVC GREY     | BN, BU, BK, GN/YE |
| 1210180022 | 1                                    | N2         | 2            | 0.5mm²        | Ø5.2±0.2 mm  | PVC BLACK    | BN, BU            |
| 1202092753 | 2                                    | N2         | 3            | 0.5mm²        | Ø5.5±0.2 mm  | PVC BLACK    | BN, BU, GN/YE     |
| 1210180153 | 3                                    | N2         | 4            | 0.5mm²        | Ø5.9±0.3 mm  | PVC BLACK    | BN, BU, BK, GN/YE |
| 1202092439 | 2                                    | P2         | 3            | 0.5mm²        | Ø5.5+0.3 mm  | PUR BLACK    | BN, BU, GN/YE     |
| 1210180302 | 3                                    | P2         | 4            | 0.5mm²        | Ø6.5±0.2 mm  | PUR BLACK    | BN, BU, BK, GN/YE |
| 1202094190 | 1                                    | P3         | 2            | 0.75mm²       | Ø6.5±0.2 mm  | PUR BLACK    | BN, BU            |
| 1210180126 | 2                                    | B2         | 3            | AWG 20        | Ø5.6±0.2 mm  | PUR BLACK    | BN, BU, GN/YE     |
| 1210180016 | 1                                    | IA         | 2            | 0.25mm²       | Ø3.5±0.15mm  | PVC GREY     | BN, BU            |
| 1202090957 | 2                                    | I8         | 3            | 0.5mm²        | Ø5.5±0.2 mm  | PVC GREY     | BN, BU, GN/YE     |

|                                                                                                                                               |       |                                                                                                                                   |         |        |                 |                                   |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----------------|-----------------------------------|--|--------------|--|
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| DIMENSION UNITS                                                                                                                               | SCALE | CURRENT REV DESC:                                                                                                                 |         |        |                 | <div>molex</div>                  |  |              |  |
| mm                                                                                                                                            | 2:1   |                                                                                                                                   |         |        |                 |                                   |  |              |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |       | EC NO: 723299<br>DRWN: APAWLAK01<br>CHK'D: RSILLER<br>APPR: RSILLER<br>INITIAL REVISION:<br>DRWN: JMARSZALEK<br>APPR: MIWASIECZKO |         |        |                 | E39XXXXXXXXXXXX<br>DIN FORM MICRO |  |              |  |
| ANGULAR TOL                                                                                                                                   | ± °   |                                                                                                                                   |         |        |                 | PRODUCT CUSTOMER DRAWING          |  |              |  |
| 4 PLACES                                                                                                                                      | ±     |                                                                                                                                   |         |        |                 | DOCUMENT NUMBER                   |  |              |  |
| 3 PLACES                                                                                                                                      | ±     |                                                                                                                                   |         |        |                 | SD-121050-007                     |  |              |  |
| 2 PLACES                                                                                                                                      | ±     |                                                                                                                                   |         |        |                 | PSD                               |  |              |  |
| 1 PLACE                                                                                                                                       | ±     | 2012/11/28                                                                                                                        |         |        |                 | 001                               |  |              |  |
| 0 PLACES                                                                                                                                      | ±     | 2013/02/12                                                                                                                        |         |        |                 | C2                                |  |              |  |
| 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       |  |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/09/30 | 11:07:55 |
|-----------------|----|--------------|------------|----------|

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         |

| TABLE OF LENGHT TOLERANCES |                     |           |
|----------------------------|---------------------|-----------|
| 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    |

[illegible]

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