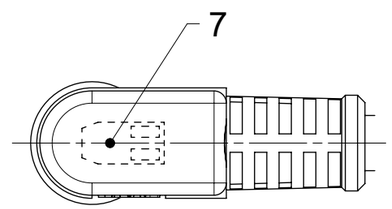
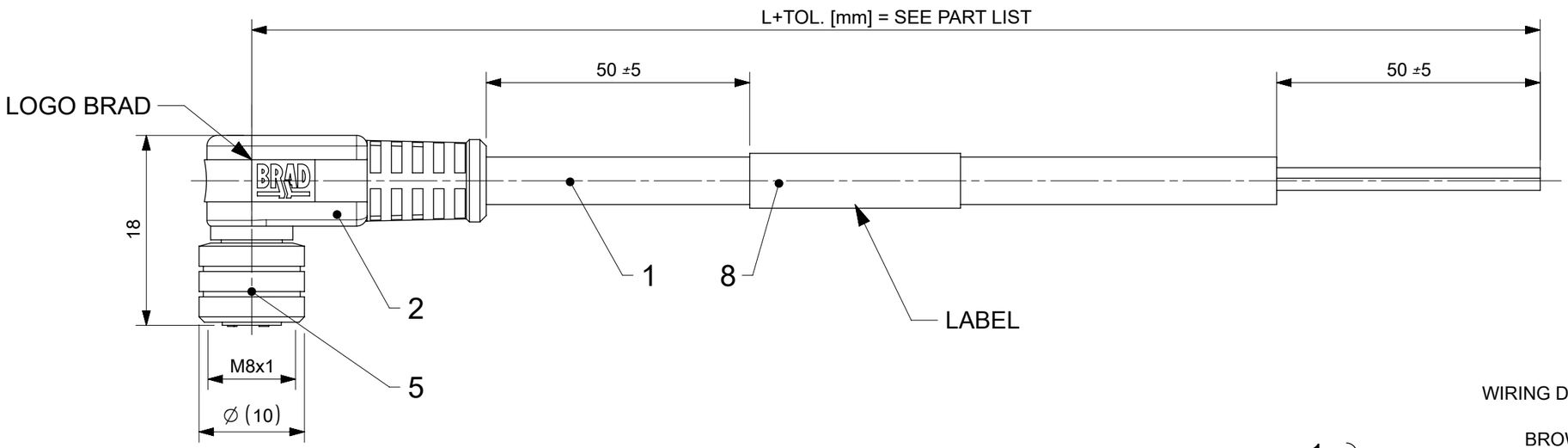
# PART No MATRIX:

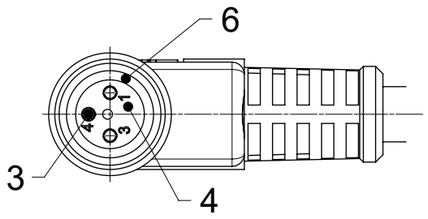
OPTIONS

| 4 | 0 | 3 | 0 | P | 1 | X | X | X | M | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

- 40=M8x1 Single ended
- Poles: 3 = 3 Poles
- Heads style: 0P1 = Plug Female 90° Angel PNP LED
- Cable: SEE TABLE 1
- Units: M=Meter
- Length Examples: 005 = 0.5 m, 010 = 1 m, 020 = 2 m, 050 = 5 m, 100 = 10 m, 150 = 15 m, 200 = 20 m
- Overmold color: Blank (Standard)=Clear, Y= Yellow
- Coupling Nut: Blank (Standard)= Brass, 7=Brass Teflon Coated
- H= 2 pcs. of I/D Carrier PVC Transparent (Cables Ixx & P82 always with 2 pcs. I/D Carrier)



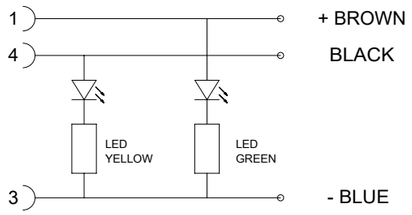




VIEW FROM THE FRONT SIDE

WIRING DIAGRAM




PNP WIRING




TECHNICAL SPEC:
CONTACT CURRENT RATING: 3A
VOLTAGE RATING: 60V
PACKAGING ACCORDING TO PACKAGING SPEC: 1201202000

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/10/16 19:08:56 |
|---|---|---|---|

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

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 2:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | | |
|---|---|---|
| ANGULAR TOL | ± | 1.0 ° |
| 4 PLACES | ± | |
| 3 PLACES | ± | |
| 2 PLACES | ± | 0.05 |
| 1 PLACE | ± | 0.3 |
| 0 PLACES | ± | 0.5 |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#517104

EC NO: 836952

| | | |
|---|---|---|
| DRWN: | SAMPRS | 2025/10/10 |
| CHK'D: | GGA | 2025/10/16 |
| APPR: | GGA | 2025/10/16 |

INITIAL REVISION:

| | | |
|---|---|---|
| DRWN: | MCELEJEWSKI | 2018/10/12 |
| APPR: | MIWASIECZKO | 2018/10/15 |

THIRD ANGLE PROJECTION

| DRAWING | SERIES |
|---|---|
| A3-SIZE | 120086 |

molex

NC-3P-FE-LED.PNP-90
-XXM-PVC-NUT

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1200868338 | PSD | 001 | A2 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE PART LIST | GENERAL MARKET | 1 OF 2 |

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

PART LIST

| MOLEX PN | ENGINEERING NO | L+TOL. [mm] |
|---|---|---|
| 1200270115 | 4030P1E02M020 | 2000+89 |
| 1200270117 | 4030P1E02M050 | 5000+165 |
| 1200270119 | 4030P1I02M020 | 2000+89 |
| 1200270121 | 4030P1I02M050 | 5000+165 |
| 1200270949 | 4030P1P02M100 | 10000+317 |
| 1200860464 | 4030P1P03M050 | 5000+165 |
| 1200865590 | 4030P1E02M010 | 1000+56 |
| 1200868024 | 4030P1E02M100 | 10000+317 |
| 1200868051 | 4030P1H08M050 | 5000+165 |
| 1200868104 | 4030P1P03M150 | 15000+610 |
| 1200868219 | 4030P1H08M020 | 2000+89 |
| 1200868334 | 4030P1E02M002 | 200+19 |
| 1200868335 | 4030P1I02M030 | 3000+89 |
| 1200868336 | 4030P1I02M100 | 10000+317 |
| 1200868337 | 4030P1P02M020 | 2000+89 |
| 1200868338 | 4030P1P02M030 | 3000+89 |
| 1200868411 | 4030P1E02M050H | 5000+165 |

TABELA 1/ *TABLE 1*

| CABLE TYPE | CROSS SCETION | MATERIAL | COLOR | OUTER DIAMETER |
|---|---|---|---|---|
| E02 | 3x0.25mm2 | PVC | BLACK | 4.6mm |
| H08 | 3x0.25mm2 | PUR | BLACK | 4.1mm |
| I02 | 3x0.25mm2 | PVC | GRAY | 4.5mm |
| P02 | 3x0.25mm2 | PVC/PUR | BLACK | 4.7mm |
| P03 | 3x0.34mm2 | PUR | BLACK | 5.3mm |
| P82 | 3x0.34mm2 | PUR | ORANGE | 5.1mm |

BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION | MATERIAL | FINISH/COLOR |
|---|---|---|---|---|
| 8 | 1 | LABEL 2.0X1.75 | VINYL | YELLOW |
| 7 | 1 | NANO LED PNP PCB | - | - |
| 6 | 1 | GASKET 5.0X0.8 | FKM | RED |
| 5 | 1 | M8 FEMALE COUPLING NUT | BRASS | Ni-PLATED |
| 4 | 1 | INSERT M8 3P FEMALE | PUR | BLACK |
| 3 | 3 | CONTACT 10 FEMALE | Cu/Ni2-4 | GOLD-PLATED |
| 2 | - | MOULDING MATERIAL | TPU | SEE MATRIX |
| 1 | - | CABLE 3X0.25 | SEE TABLE 1 | SEE TABLE 1 |

Table of length tolerances [mm]

| Over | Up to and including | Tolerance |
|---|---|---|
| 0 | 305 | +19 |
| 305 | 915 | +45 |
| 915 | 1830 | +56 |
| 1830 | 3660 | +89 |
| 3660 | 7320 | +165 |
| 7320 | 14640 | +317 |
| 14640 | 30500 | +610 |
| 30500 | > | +2% of length |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/10/16 19:08:56 |
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molex

NC-3P-FE-LED.PNP-90
-XXM-PVC-NUT

PRODUCT CUSTOMER DRAWING

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A4-SIZE | 120086 | SEE PART LIST | GENERAL MARKET | 2 OF 2 |

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1200868338 | PSD | 001 | A2 |

FORMAT: master-tb-prod-A4
REVISION: J1
DATE: 2021/05/01