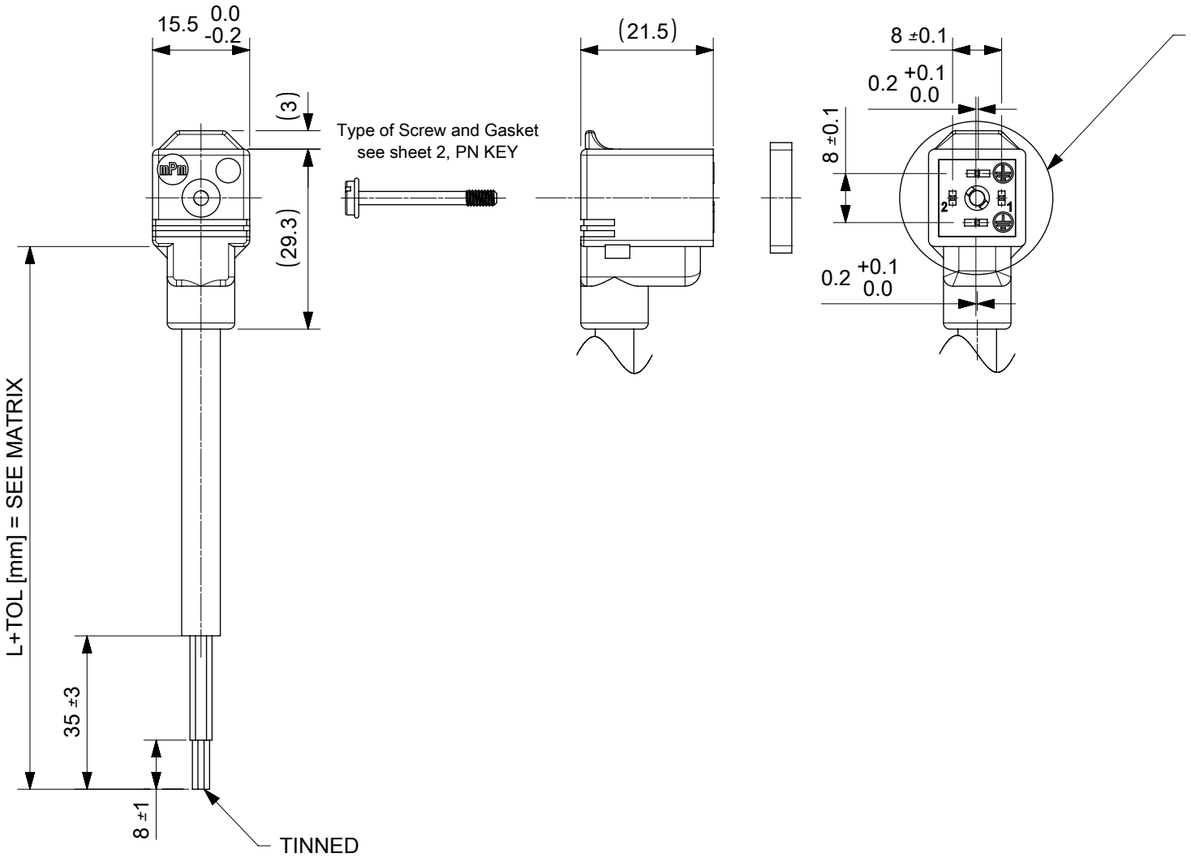


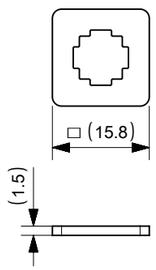
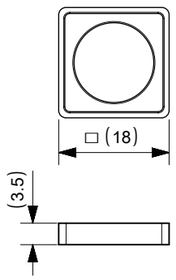
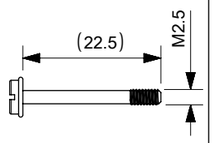
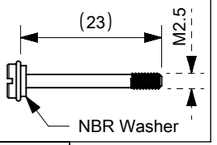

TECHNICAL DATA :

MAX. CURRENT PER CONTACT : 3A
MAX. VOLTAGE : 250V AC, 300V DC
CONTACT RESISTANCE : ≤ 15 mohm
PROTECTION GRADE : IP65 EN 60529
IP67 AVAILABLE UPON REQUEST
CERTIFICATION : UL LISTED FILE
E218126 AVAILABLE UPON REQUEST

| INSERT ORIENTATION | | |
|---|---|---|
| Housing 2 Poles + 2 (or 1) Earths | Housing 2 Poles + 2 (or 1) Earths | Housing 3 Poles + 1 Earth |
| EARTH POS. H6/H12<br>E431XXXXXX1X | EARTH POS. H6/H12<br>E432XXXXXX1X | EARTH POS H12<br>E433XXXXXX2X |
| EARTH POS. H3/H9<br>E431XXXXXX4X | EARTH POS. H3/H9<br>E432XXXXXX4X | EARTH POS. H6<br>E433XXXXXX6X |
| EARTH POS. H12<br>E431XXXXXX2X | EARTH POS. H12<br>E432XXXXXX2X | |
| EARTH POS. H6<br>E431XXXXXX6X | EARTH POS. H6<br>E432XXXXXX6X | |

| WIRING CONFIGURATION | | |
|---|---|---|
| Housing 2 Poles + 2 (or 1) Earths<br>E431XXXXXXXX - 2 WIRES | Housing 2 Poles + 2 (or 1) Earths<br>E432XXXXXXXX - 3 WIRES | Housing 3 Poles + 1 Earth<br>E433XXXXXXXX - 4 WIRES |
| Brown (or Black 1) — 1<br>Blue (or Black 2) — 2 | Brown (or Black 1) — 1<br>Blue (or Black 2) — 2<br>Green/Yellow (or Black 3) — ⏚ | Brown — 1<br>Blue — 2<br>Black — 3<br>Green/Yellow — ⏚ |

## Type of Screw and Gaskets

| Flat Gasket | Profiled Gasket | Screw M2.5x22.5 |
|---|---|---|
|  |  |  |
| | | Screw M2.5x23 |
| | |  |

| 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 |

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

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± |
| 1 PLACE | ± |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826028
DRWN: SANATK1 2025/05/05
CHK'D: GGA 2025/06/30
APPR: GGA 2025/06/30

INITIAL REVISION:
DRWN: JMARSZALEK 2012/12/04
APPR: MIWASIECZKO 2013/01/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121040

molex

E43XXXXXXXXX
DIN FORM C EN 175301-803

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-121040-005 | PSD | 001 | C2 |

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

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/30 13:30:59 |
|---|---|---|---|

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

# ENGINEERING PART No. KEY MATRIX

| E | 4 | 3 | X | X | X | X | X | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|

E - Packing without bag
W - Single Packing
Q - Quick Packing

Number of wires:
1- 2 Wires
2- 3 Wires
3- 4 Wires
5- SMC COMPATIBLE 2 WIRES
6- SMC COMPATIBLE 3 WIRES
7- SMC COMPATIBLE 4 WIRES

Cable type:
See Table

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

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

Earth PIN location (see insert orientation table):
1 = Double Earth on H6 & H12
2 = Earth on H12
3 = Earth on H3
4 = Double Earth on H3 & H9
6 = Earth on H6
9 = Earth on H9

Type of Gasket and Screw (see sheet 1) :
1 = NBR Profile Gasket + Fixing Screw M2.5x22.5mm
2 = NBR Flat Gasket + Fixing Screw M2.5x22.5mm
3 = Silicone Profile Gasket + Fixing Screw M2.5x22.5mm
4 = Silicone Flat Gasket + Fixing Screw M2.5x22.5mm
T = NBR Profile Gasket + Fixing Screw with Washer M2.5x23mm

## PART LIST

| MOLEX P/N | ENGINEERING P/N | Length(mm) |
|---|---|---|
| 1210400491 | E432N2N10011 | 1000 |
| 1210400492 | E432N2N10012 | 1000 |
| 1210400497 | E432N2N20012 | 2000 |
| 1210400498 | E432N2N30011 | 3000 |
| 1210400500 | E432N2N50011 | 5000 |
| 1210400501 | E432N2N50012 | 5000 |
| 1210400940 | E431N2N15011 | 1500 |
| 1210400952 | E432A2A20011 | 2000 |

| MOLEX P/N | ENGINEERING P/N | Length(mm) |
|---|---|---|
| 1210401274 | E432P2N04011 | 400 |
| 1210401325 | E432A2A50011 | 5000 |
| 2210400006 | E432W2A30011 | 3000 |

## CABLE TYPE TABLE

| CABLE TYPE | MOLEX PN | NO. OF WIRES | CROSS SECTION | CABLE O.D. | CABLE JACKET | KOLORY PRZEWODÓW WIRES COLOR | SHIELD |
|---|---|---|---|---|---|---|---|
| N2 | 1210180022 | 2 | 0.5mm² | 5.25mm±0.65 | PVC BLACK | BN, BU | - |
| A2 | 1210180128 | 3 | AWG 20 | 5.6mm±0.2 | PVC BLACK | BN, BU, GN/YE | - |
| B2 | 1210180126 | 3 | AWG 20 | 5.6mm±0.2 | PUR BLACK | BN, BU, GN/YE | - |
| I2 | 1210180284 | 3 | 0.5mm² | 5.5mm+0.3 | PVC GREY | BN, BU, GN/YE | - |
| N2 | 1202092753 | 3 | 0.5mm² | 5.6mm±0.7 | PVC BLACK | BN, BU, GN/YE | - |
| N3 | 1210180069 | 3 | 0.75mm² | 6.8mm±0.8 | PVC BLACK | BN, BU, GN/YE | - |
| P2 | 1202092439 | 3 | 0.5mm² | 5.5mm+0.3 | PUR BLACK | BN, BU, GN/YE | - |
| A2 | 1210180394 | 4 | AWG 20 | 6.2mm±0.25 | PVC BLACK | BN, BU, BK, GN/YE | - |
| B2 | 1210180387 | 4 | AWG 20 | 6.3mm±0.2 | PUR BLACK | BN, BU, BK, GN/YE | - |
| N2 | 1210180153 | 4 | 0.5mm² | 6.05mm±0.2 | PVC BLACK | BN, BU, BK, GN/YE | - |
| P2 | 1210180302 | 4 | 0.5mm² | 6.5mm±0.2 | PUR BLACK | BN, BU, BK, GN/YE | - |
| W2 | 1552200108 | 3 | AWG 21 | 5.6mm | PVC GREY | BN, BU, GN/YE | - |

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DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121040

molex

E43XXXXXXXXX
DIN FORM C EN 175301-803

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| SD-121040-005 | PSD | 001 | C2 |

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

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/30 13:30:59 |
|---|---|---|---|

FORMAT: master-tb-prod-A3
REVISION: J1
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