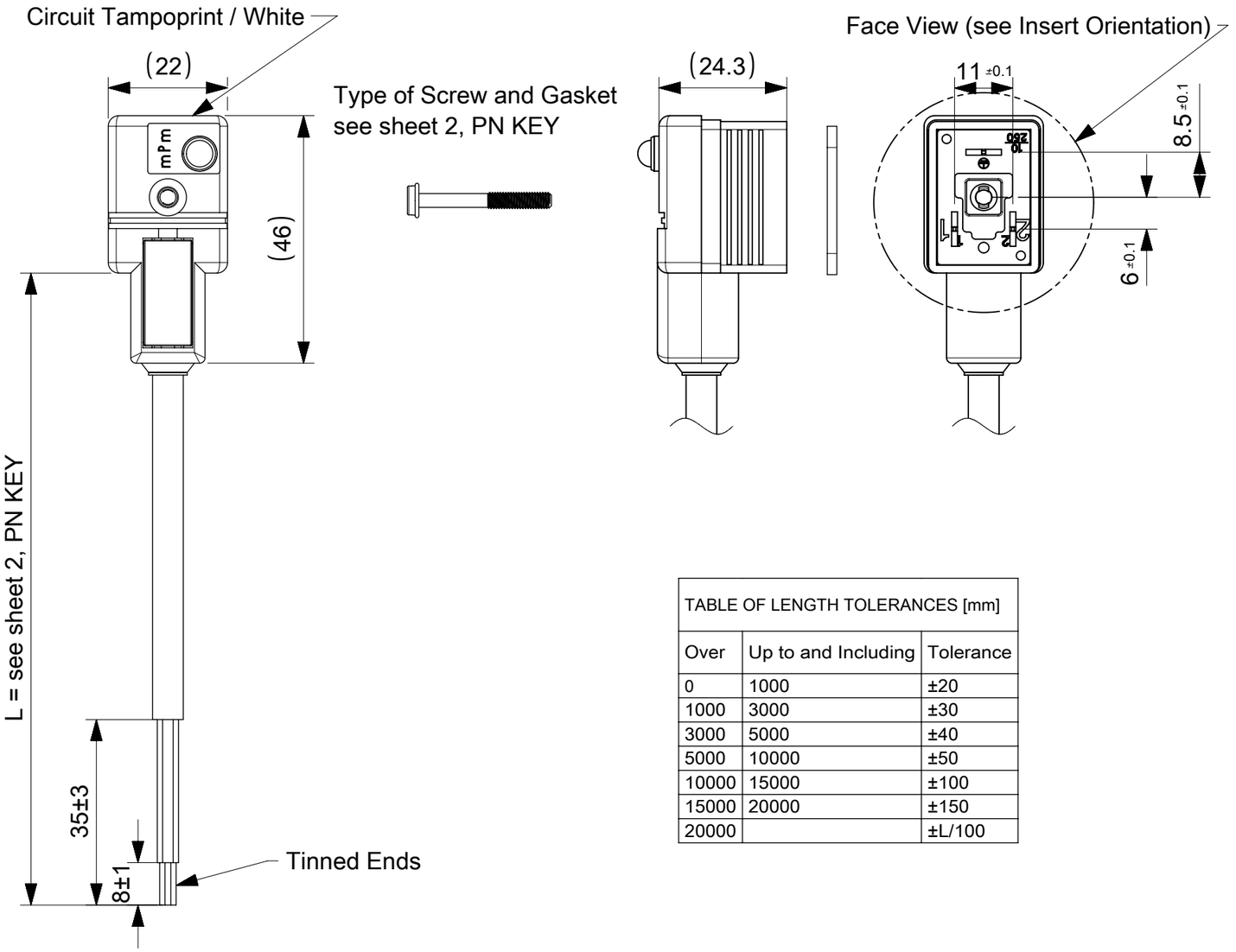
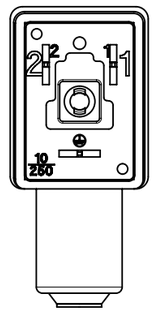
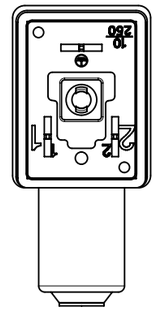
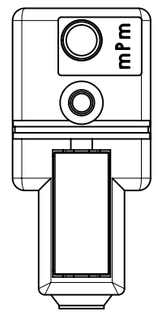
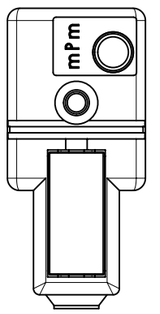
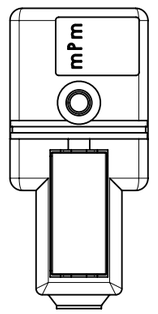



| TABLE OF LENGTH TOLERANCES [mm] | | |
|---|---|---|
| Over | Up to and Including | Tolerance |
| 0 | 1000 | ±20 |
| 1000 | 3000 | ±30 |
| 3000 | 5000 | ±40 |
| 5000 | 10000 | ±50 |
| 10000 | 15000 | ±100 |
| 15000 | 20000 | ±150 |
| 20000 | | ±L/100 |

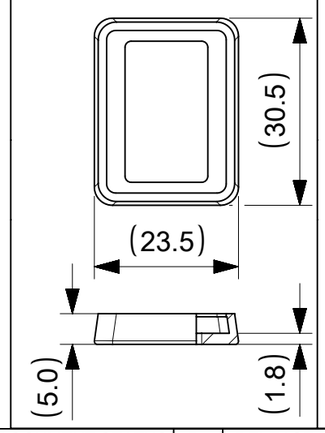
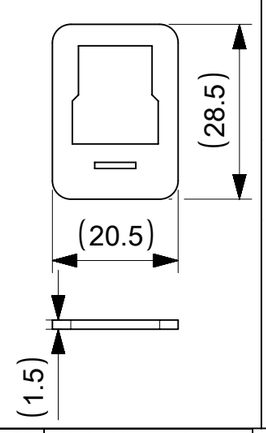
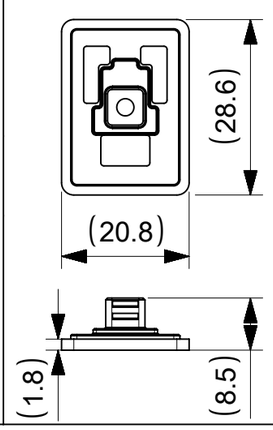
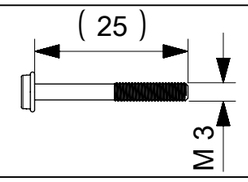
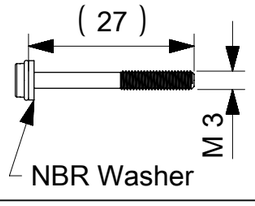
## INSERT ORIENTATION

| Earth H6<br>E462XXXXXX6XXXX | Earth H12<br>E462XXXXXX2XXXX |
|---|---|
|  |  |

## LED POSITION

| EARTH H6 | EARTH H12 | NO LED |
|---|---|---|
|  |  |  |

## Type of Screws and Gaskets

| Profiled Gasket | Flat Gasket | Integrated Gasket | Screw M3x25 |
|---|---|---|---|
|  |  |  |  |
| | | | Screw M3x27 + Washer |
| | | |  |



| SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |
|---|---|---|---|---|
| F = 0 | DIMENSION UNITS: mm | SCALE: 1:1 | CURRENT REV DESC: | molex |
| E = 0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | STANDARD E462 DIN FORM INDUSTRIAL |
| F = 0 | ANGULAR TOL ± ° | | EC NO: 603741 | PRODUCT CUSTOMER DRAWING |
| S = 0 | 4 PLACES ± | | DRWN: APAWLAK01 2018/07/16 | DOCUMENT NUMBER: 1210501000 |
| ▼ = 0 | 3 PLACES ± | | CHK'D: RSILLER 2018/08/31 | DOC TYPE: PSD |
| C = 0 | 2 PLACES ± 0.05 | | APPR: RSILLER 2018/08/31 | DOC PART: 000 |
| ☒ = 0 | 1 PLACE ± 0.1 | | INITIAL REVISION: | REVISION: A |
| ■ = 0 | 0 PLACES ± | | DRWN: APAWLAK01 2018/07/16 | |
| ▽ = 0 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | APPR: RSILLER 2018/08/31 | |
| | THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121050 | MATERIAL NUMBER: SEE 1210501000_PDP |
| | | | | CUSTOMER: GENERAL MARKET |
| | | | | SHEET NUMBER: 1 OF 3 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/08/31 12:24:52 |
|---|---|---|---|

FORMAT: master-Sheet-A3
REVISION: H
DATE: 2018/01/18

# PN KEY ENGINEERING PN

| E | 4 | 6 | 2 | X | X | X | X | X | X | X | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

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

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

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

Wiring Configuration:
See sheet 3

Voltage and Led Colour

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

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

| CABLE TYPE | NO. OF WIRES | CROSS SECTION | CABLE O.D. | CABLE JACKET | UL | CSA | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | SHIELD |
|---|---|---|---|---|---|---|---|---|---|
| A2 | 3 | AWG 20 | 5.6mm±0.2 | PVC BLACK | UL 2661 | CSA C22.2 | -30°C to +105°C, 10xO.D. | -5°C to +105°C, 15xO.D. | - |
| A3 | 3 | AWG 18 | 6.5mm±0.25 | PVC BLACK | UL 2661 | CSA C22.2 | -30°C to +105°C, 10xO.D. | -5°C to +105°C, 15xO.D. | - |
| B2 | 3 | AWG 20 | 5.6mm±0.2 | PUR BLACK | UL 20668 | CSA C22.2 | -40°C to +90°C, 5xO.D. | -25°C to +90°C, 10xO.D. | - |
| B3 | 3 | AWG 18 | 6.5mm±0.2 | PUR BLACK | UL 20668 | CSA C22.2 | -40°C to +90°C, 5xO.D. | -25°C to +90°C, 10xO.D. | - |
| F4 | 3 | 1mm² | 7.1mm+0.2 | PVC GREY | - | - | -15°C to +70°C, 10xO.D. | -5°C to +60°C, 15xO.D. | - |
| I0 | 3 | 1mm² | 7.6mm±0.2 | PVC GREY | - | - | -25°C to +70°C, 10xO.D. | -5°C to +70°C, 15xO.D. | YES |
| I2 | 3 | 0.5mm² | 5.5mm+0.3 | PVC GREY | - | - | -25°C to +70°C, 10xO.D. | -5°C to +70°C, 15xO.D. | - |
| I3 | 3 | 0.75mm² | 6.0mm±0.2 | PVC GREY | - | - | -25°C to +70°C, 10xO.D. | -5°C to +70°C, 15xO.D. | - |
| I4 | 3 | 1mm² | 7.1mm+0.2 | PVC GREY | - | - | -25°C to +70°C, 10xO.D. | -5°C to +70°C, 15xO.D. | - |
| N2 | 3 | 0.5mm² | 5.6mm±0.7 | PVC BLACK | - | - | -20°C to +70°C, 3xO.D. | -15°C to +70°C, 5xO.D. | - |
| N3 | 3 | 0.75mm² | 6.8mm±0.8 | PVC BLACK | - | - | -20°C to +70°C, 3xO.D. | -15°C to +70°C, 5xO.D. | - |
| N4 | 3 | 1mm² | 7.15mm±0.85 | PVC BLACK | - | - | -20°C to +70°C, 3xO.D. | -15°C to +70°C, 5xO.D. | - |
| P1 | 3 | 0.34mm² | 5.3mm±0.2 | PUR BLACK | - | - | -25°C to +80°C, 10xO.D. | -5°C to +80°C, 15xO.D. | |
| P2 | 3 | 0.5mm² | 5.5mm+0.3 | PUR BLACK | - | - | -40°C to +90°C, 7.5xO.D. | -15°C to +90°C, 12.5xO.D. | - |
| P3 | 3 | 0.75mm² | 6.5mm±0.2 | PUR BLACK | - | - | -40°C to +90°C, 7.5xO.D. | -15°C to +90°C, 12.5xO.D. | - |

Notes:
1. Please see excel sheet 1210501000_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-003

| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/08/31 12:24:52 |
|---|---|---|---|

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

SYMBOLS: = 0

DIMENSION UNITS: mm | SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± ° |
| 4 PLACES | ± |
| 3 PLACES | ± |
| 2 PLACES | ± 0.05 |
| 1 PLACE | ± 0.1 |
| 0 PLACES | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 603741
DRWN: APAWLAK01 2018/07/16
CHK'D: RSILLER 2018/08/31
APPR: RSILLER 2018/08/31

INITIAL REVISION:
DRWN: APAWLAK01 2018/07/16
APPR: RSILLER 2018/08/31

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121050

molex

STANDARD E462 DIN FORM INDUSTRIAL

PRODUCT CUSTOMER DRAWING

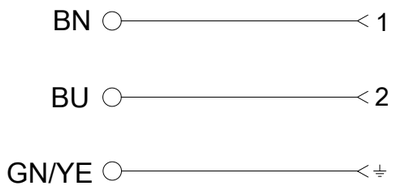
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1210501000 | PSD | 000 | A |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE 1210501000_PDP | GENERAL MARKET | 2 OF 3 |

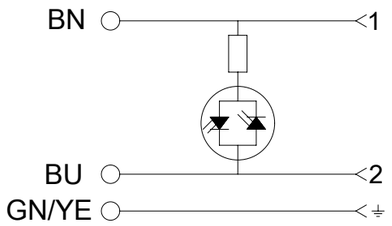
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REVISION: H
DATE: 2018/01/15

# WIRING DIAGRAMS

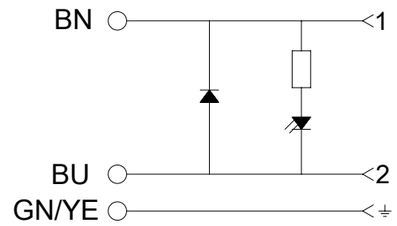
ELECTRICAL DIAGRAM 00



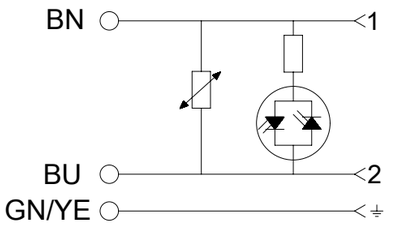

ELECTRICAL DIAGRAM A1



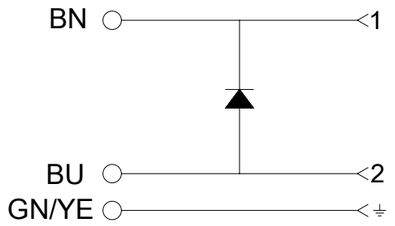

ELECTRICAL DIAGRAM C3



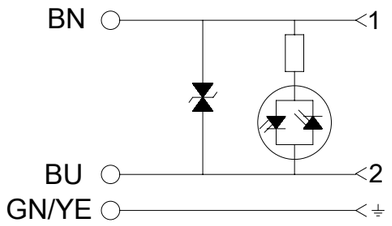

ELECTRICAL DIAGRAM C4



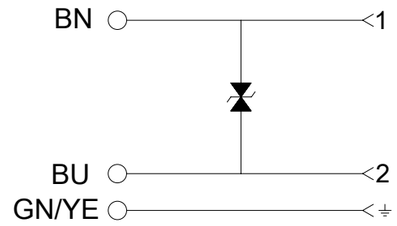

ELECTRICAL DIAGRAM E0



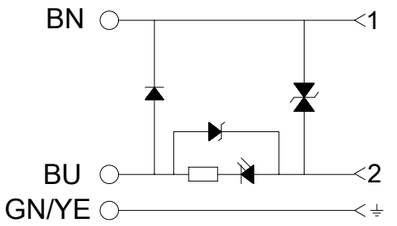

ELECTRICAL DIAGRAM S0




ELECTRICAL DIAGRAM S1




ELECTRICAL DIAGRAM NS




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

| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/08/31 12:24:52 |
|---|---|---|---|

FORMAT: master_Sheet-A3
REVISION: H
DATE: 2018/01/16

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

| SYMBOLS | |
|---|---|
| EA = 0 | |
| EC = 0 | |
| EB = 0 | |
| S = 0 | |
| ▼ = 0 | |
| C = 0 | |
| ☒ = 0 | |
| ■ = 0 | |
| ▽ = 0 | |

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 1:1 |
| GENERAL TOLERANCES (UNLESS SPECIFIED) | |
| ANGULAR TOL ± ° | |
| 4 PLACES ± | |
| 3 PLACES ± | |
| 2 PLACES ± 0.05 | |
| 1 PLACE ± 0.1 | |
| 0 PLACES ± | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | |

CURRENT REV DESC:

EC NO: 603741
DRWN: APAWLAK01 2018/07/16
CHK'D: RSILLER 2018/08/31
APPR: RSILLER 2018/08/31

INITIAL REVISION:
DRWN: APAWLAK01 2018/07/16
APPR: RSILLER 2018/08/31

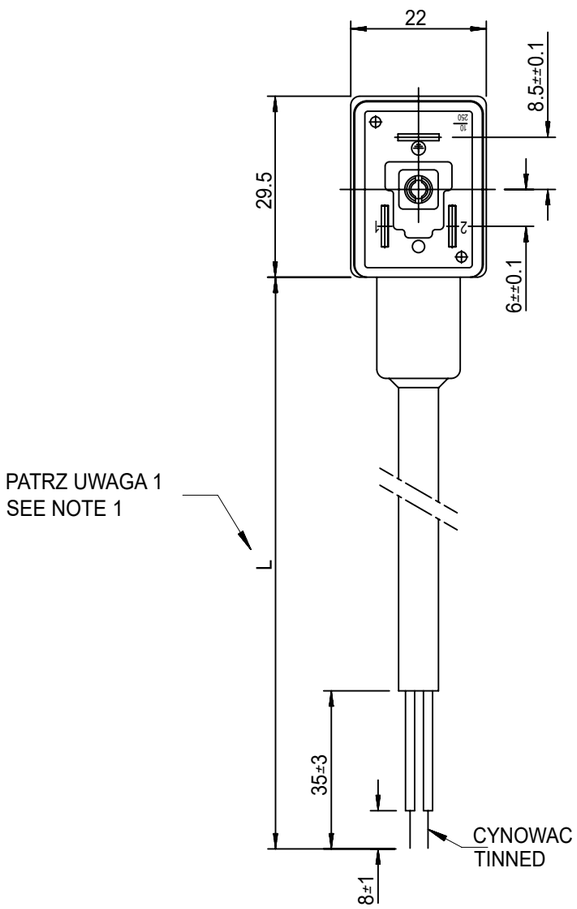
molex

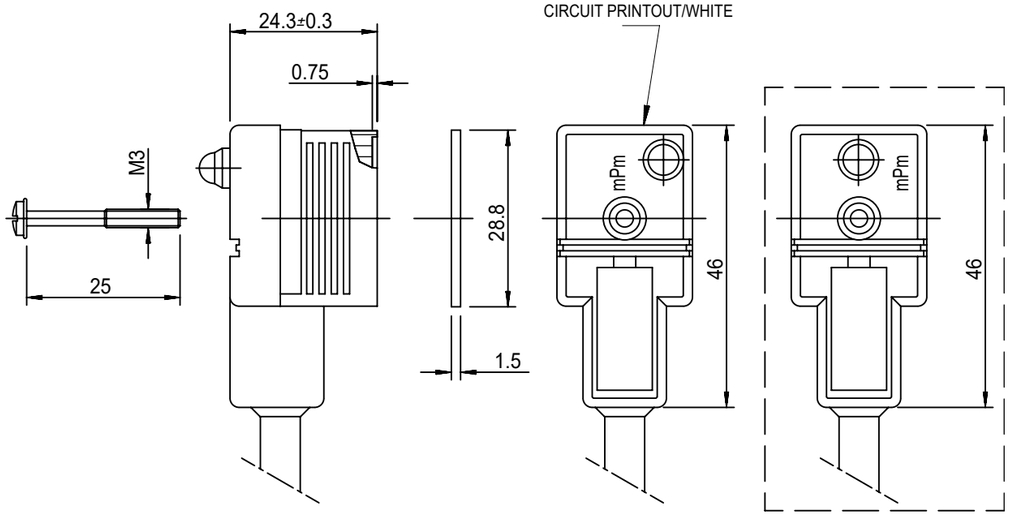
STANDARD E462 DIN FORM INDUSTRIAL

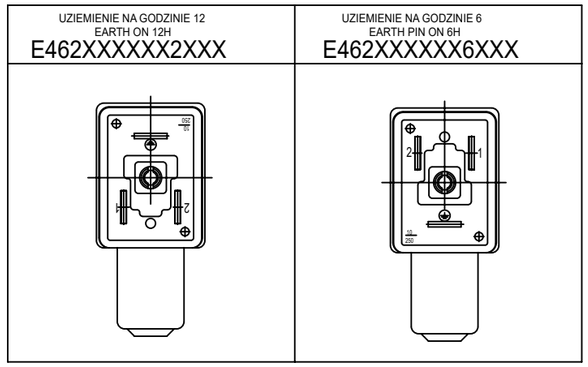
PRODUCT CUSTOMER DRAWING

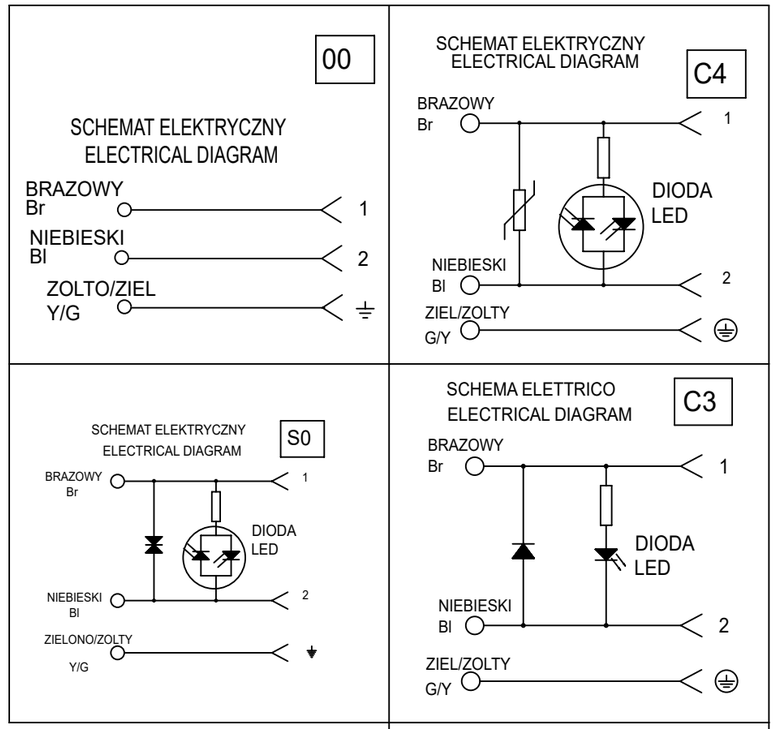
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1210501000 | PSD | 000 | A |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 121050 | SEE 1210501000_PDP | GENERAL MARKET | 3 OF 3 |




| 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.

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DIMENSION UNITS: mm | SCALE: 1:1

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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826029
DRWN: RAGHAH3 2025/06/19
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/05/26
APPR: GOGRODNIK 2009/06/08

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

molex

MPM E462XXXXXXXXXX

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| E462XXXXXXXXXX | PSD | 001 | A1 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE DRAWING | GENERAL MARKET | 1 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/27 09:09:13 |
|---|---|---|---|

FORMAT: Met-lega-master-lb-prod-A3
REVISION: E1
DATE: 2021/05/01

| E | 4 | 6 | 2 | 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=2 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 CIRQUIT
PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION

NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR:

| | | |
|---|---|---|
| 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 |
| CZERWONA DIODA RED LED | ZIELONA DIODA GREEN LED | ZOLTA DIODA YELLOW LED |

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)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

EC NO: 826029
DRWN: RAGHAH3 2025/06/19
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/05/26
APPR: GOGRODNIK 2009/06/08

molex

MPM E462XXXXXXXXXX

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| E462XXXXXXXXXX | PSD | 001 | A1 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 121040 | SEE DRAWING | GENERAL MARKET | 2 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/27 09:09:13 |
|---|---|---|---|

FORMAT: Mel-lega-master-lb-prod-A3
REVISION: E1
DATE: 2021/05/01

TABELA 2 KABLE/TABLE 2 CABLES

| MOLEX PX | 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. | 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 | 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. | |

TABELA 2 KABLE/TABLE 2 CABLES

| MOLEX PX | 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 | śółty/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 CEI 2022 II O.R. | śółty/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 2 CABLES TYPE

| Znakowanie /Code | Rodzaje kabla /Cable types | Właściwości /Features | Przekroje /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 | Zatwierdzione przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing.<br>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 |

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DIMENSION UNITS: mm | SCALE: 1:1

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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826029
DRWN: RAGHAH3 2025/06/19
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/05/26
APPR: GOGRODNIK 2009/06/08

molex

MPM E462XXXXXXXXXX

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| E462XXXXXXXXXX | PSD | 001 | A1 |

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121040 | MATERIAL NUMBER: SEE DRAWING | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 3 OF 4

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/27 09:09:13 |
|---|---|---|---|

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01

TABELA 3/CHART 3

| MOLEX P/N | WOODHEAD P/N | | MOLEX P/N | WOODHEAD P/N |
|---|---|---|---|---|
| 1210500956 | E462A3A30062C4L | | 1210501185 | E462N3N30022C4H |
| 1210500995 | E462I2N30061C4H | | 1210502030 | E462N3N1006PC4H |
| 1210501203 | E462N3N30062C4L | | 1210501061 | E462I4N50061C4H |
| 1210501202 | E462N3N30062C4H | | 1210501228 | E462N3N50022C4H |
| 1210500992 | E462I2N30021C4H | | 1210501304 | E462P3N30022C4H |
| 1210501056 | E462I4N50021C4H | | 1210501986 | E462N3N30021C3H |
| 1210502343 | E462A2A30061S0H | | 1210501105 | E462N3N10022C4L |
| 1210502661 | E462P3N50021C4H | | 1210502117 | E462T3A10061C4H |
| 1210501175 | E462N3N30021C4H | | 1210501104 | E462N3N10022C4H |
| 1210501296 | E462P3N10022C4H | | 1210502237 | E462A2A10K61C4H |
| 1210502582 | E462B2A30022C4L | | 1210501223 | E462N3N50021C4H |
| 1210501093 | E462N3N07021A12 | | 1210501300 | E462P3N10062C4L |
| 1210501858 | E462N2N30021A12 | | 1210501663 | E462I2N10K21C4H |
| 1210503040 | E462N2N50021C42 | | 1210502883 | W462A3A10K2RS0H |
| 1210501219 | E462N3N50021C4B | | 1210501078 | E462N2N30022A12 |
| 1210501218 | E462N3N50021C44 | | 1210501793 | E462N2N30062C32 |
| 1210501217 | E462N3N50021C42 | | 1210501077 | E462N2N10061C4H |
| 1210502228 | E462P3N5006PC4H | | 1210501110 | E462N3N10062C4L |
| 1210502029 | E462N3N1002PC4H | | 1210501192 | E462N3N30061C42 |
| 1210502227 | E462P3N3006PC4H | | 1210501715 | E462N2N30021C42 |
| 1210502425 | E462P2N30021A12 | | 1210500988 | E462I2N25021C4H |
| 1210502149 | E462N3N5002RC4H | | 1210501710 | E462A3A30021C44 |
| 1210502588 | E462A3A10K2RS0H | | 1210501038 | E462I4N30021C4H |
| 1210502224 | E462N3N3006PC4H | | 1210502644 | E462N3N40021A12 |
| 1210501222 | E462N3N50021C4E | | 1210501235 | E462N3N50062C4H |
| 1210501662 | E462I2N10K61C4H | | 1210501554 | E462A2A30021C4H |
| 1210501023 | E462I4N20021A1H | | 1210501002 | E462I2N50061C4H |
| 1210501221 | E462N3N50021C4D | | 1210501000 | E462I2N50021C4H |
| 1210501782 | E462N2N20061C4H | | 1210501283 | E462P2N30061C4H |
| 1210501143 | E462N3N20021C4B | | 1210501080 | E462N2N50022A12 |

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

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: REMOVED OBSOLETED PART NUMBERS AS PER PCN#515183

EC NO: 826029
DRWN: RAGHAH3 2025/06/19
CHK'D: GGA 2025/06/27
APPR: GGA 2025/06/27

INITIAL REVISION:
DRWN: MWOLSZCZAK 2009/05/26
APPR: GOGRODNIK 2009/06/08

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

molex

MPM E462XXXXXXXXXX

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| E462XXXXXXXXXX | PSD | 001 | A1 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE DRAWING | GENERAL MARKET | 4 OF 4 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/06/27 09:09:13 |
|---|---|---|---|

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01