

VIEW FROM THE FRONT SIDE
(3 POLE)

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SCALE 1:1

- NOTES:
1. LABEL ON THE CABLE / FOR CABLE IXX PRINTING ON THE CABLE
 2. 2 x ID CARRIER IF IN MATRIX IS "H" OR FOR CABLE IXX & P82.

CONTACTS POSITION FRONT VIEW:

| | 3 CONTACTS | | 4 CONTACTS | | 5 CONTACTS | |
|-------------|------------|-------|------------|-------|------------|-------|
| M8 - FEMALE | | | | | | |
| M12 - MALE | | | | | | |
| CONNECTIONS | PIN | WIRE | PIN | WIRE | PIN | WIRE |
| | 1 | BROWN | 1 | BROWN | 1 | BROWN |
| | 3 | BLUE | 2 | WHITE | 2 | WHITE |
| | 4 | BLACK | 3 | BLUE | 3 | BLUE |
| | | | 4 | BLACK | 4 | BLACK |
| | | | | 5 | GREY | |

CODING M8 ACCORDING TO IEC 61076-2-104
CODING M12 ACCORDING TO IEC IEC 61076-2-101

- NOTES :
- ELECTRICAL DATA :
- RATED VOLTAGE: 3 contacts 60V AC/DC
4 & 5 contacts 30V AC/DC
- CURRENT RATING: 3, 4 & 5 contacts 3A
- INSULATION RESISTANCE : 10⁹Ω MIN.
- MATING CYCLES : MIN. 100
- ENVIRONMENTAL :
- PROTECTION CLASS : IP67 IN MATED
AND LOCKED POSITION
- OPERATING TEMPERATURE : -25°C TO +80°C

| ITEM | QTY. | DESCRIPTION | MATERIAL | FINISH |
|------|-------|-------------------------|----------|----------------------------|
| 11 | X | ID CARRIER (SEE MATRIX) | PVC | TRANSPARENT |
| 10 | 1 | LABEL (SEE NOTE 1) | VINYL | YELLOW |
| 9 | 1 | GASKET | FKM | RED |
| 8 | 3/4/5 | CONTACT MA | COPPER | GOLD OVER NICKEL PLATED |
| 7 | 3/4/5 | CONTACT FE | | |
| 6 | 1 | COUPLING NUT M12 MA | BRASS | Ni-PLATED /TEFLON COAT |
| 5 | 1 | COUPLING NUT M8 FE | | |
| 4 | 1 | INSERT MA XP BK | PUR | BLACK |
| 3 | 1 | INSERT FE XP BK | PUR | BLACK |
| 2 | - | MOULDING MATERIAL | TPU | BLACK |
| 1 | - | CABLE (SEE MATRIX) | - | - |

| | | | |
|--|---|--|--------------|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | CURRENT REV DESC: MIGRATED AND REVISED | |
| | SCALE: 2:1 | | |
| | GENERAL TOLERANCES (UNLESS SPECIFIED) | | |
| DIVISIONAL SYMBOLS | 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 | THIRD ANGLE PROJECTION | DRAWING | SHEET NUMBER |
| | | A3-SIZE | 120087 |

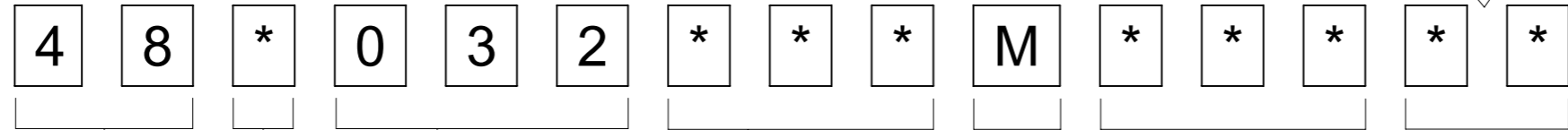
CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200878440 DOC TYPE: PSD DOC PART: 000 REVISION: A

MATERIAL NUMBER: SEE MATRIX (SH 2) CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 2

PART NO MATRIX



48 = M8x1/M12x1 DOUBLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES

CABLE TYPE SEE TABLE

UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OPTIONS
H = 2 PCS. OF I/D CARRIER MOLDING/OVERMOULDED:
BLANK = BLACK
A = GREY
G = BLACK
Y = YELLOW
COUPLING NUT:
BLANK=KNU/HEX
7=TEFLON

CABLE LIST

| CABLE TYPE | NO. OF WIRES | CROSS SECTION | CABLE JACKET | UL | CSA | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN | SHIELD |
|------------|---------------|---------------------|-----------------|----------------|--------------------------|--------------------------------|---------------------------------|---|--------|
| E02 | 3 / 4 / 5 / 8 | 0.25mm ² | PVC BLACK | UL 2464/1729 | C22.2 I/II A/B 80°C/300V | -30°C to +80°C, 10xO.D. | -10°C to +80°C, 15xO.D. | - | - |
| H09 | 3 / 4 / 5 | 0.34mm ² | PUR BLACK LS0H | UL 21198/10493 | C22.2 I/II A/B 80°C/300V | -40°C to +80°C, 5xO.D. | -25°C to +80°C, 10xO.D. | 2 000 000 cycles at 20°C, Temp. range +5°C to +60°C | - |
| P02 | 3 / 4 / 5 / 8 | 0.25mm ² | PUR / PVC BLACK | - | - | -30°C to +80°C, 7xO.D. | -5°C to +80°C, 15xO.D. | - | - |
| P82 | 3 / 4 / 5 | 0.34mm ² | PUR IRR ORANGE | - | - | -50°C to +105°C, >5xO.D. | -40°C to +105°C, >7.5xO.D. | - | - |
| I02 | 3 / 4 / 8 | 0.25mm ² | PVC CEI GREY | - | - | -30°C to +70°C | -5°C to +70°C | - | - |
| B41 | 3 | 0.25mm ² | TPU BLACK | UL STYLE 21215 | CSA RATING 80°C 600V | -40°C to +90°C, 5xO.D. | -25°C to +80°C, >7.5xO.D. | - | - |

PART LIST

| MOLEX PN | ENGINEERING NO. | LENGTH (mm) |
|------------|-----------------|-------------|
| 1200878439 | 483032E02M006 | 600 |
| 1200878440 | 483032E02M010 | 1000 |
| 1200878641 | 483032E02M015 | 1500 |
| 1200878581 | 483032E02M030 | 3000 |
| 1200878441 | 483032E02M050 | 5000 |
| 1200878442 | 483032E02M100 | 10000 |
| 1200878443 | 483032E02M150 | 15000 |
| 1200878489 | 484032E02M003 | 300 |
| 1200878252 | 484032E02M050 | 5000 |
| 1200878490 | 484032E02M006 | 600 |
| 1200878491 | 484032E02M010 | 1000 |
| 1200878253 | 484032E02M100 | 10000 |
| 1200878444 | 483032I02M010 | 1000 |
| 1200878831 | 483032I02M030Y | 3000 |
| 1200878445 | 483032I02M050 | 5000 |
| 1200878832 | 483032I02M050Y | 5000 |
| 1200878833 | 483032I02M100Y | 10000 |

| MOLEX PN | ENGINEERING NO. | LENGTH (mm) |
|------------|-----------------|-------------|
| 1200878446 | 483032P02M006 | 600 |
| 1200878447 | 483032P02M010 | 1000 |
| 1200878919 | 483032P02M015 | 1500 |
| 1200878448 | 483032P02M020 | 2000 |
| 1200878449 | 483032P02M030 | 3000 |
| 1200878450 | 483032P02M050 | 5000 |
| 1200878492 | 484032P02M020 | 2000 |
| 1200878062 | 483032P82M0067 | 600 |
| 1200879048 | 484032B41M050 | 5000 |
| 1200879051 | 484032B41M100 | 10000 |
| 1200878631 | 484032H09M030 | 3000 |

| 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 |

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| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |
| $\sqrt{A} = 0$ $\sqrt{E} = 0$ $\sqrt{V} = 0$ | DIMENSION UNITS: mm SCALE: 1:1 CURRENT REV DESC: MIGRATED AND REVISED 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 |
| DIVISIONAL SYMBOLS | EC NO: 699224 DRWN: MDHARMANTI 2022/03/11 CHK'D: RSILLER 2022/03/18 APPR: RSILLER 2022/03/18 INITIAL REVISION: DRWN: MDHARMANTI 2022/03/11 APPR: RSILLER 2022/03/18 |
| | |
| CSE M8 FE AC STR PUR/PVC M12 MA AC RA XP DE | |
| PRODUCT CUSTOMER DRAWING | |
| DOCUMENT NUMBER | DOC TYPE DOC PART REVISION |
| 1200878440 | PSD 000 A |
| MATERIAL NUMBER | CUSTOMER |
| SEE MATRIX (SH 2) | GENERAL MARKET |
| SHEET NUMBER | |
| 2 OF 2 | |