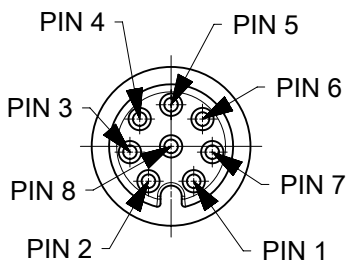
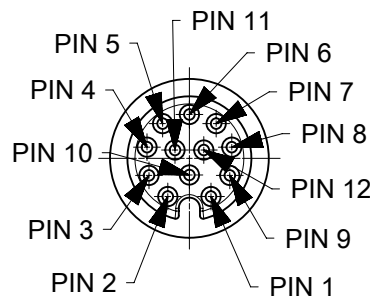


**8 POLE
M12 FEMALE**



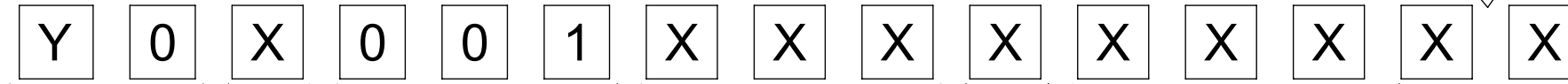
| PIN | WIRE COLOR | PIN | WIRE COLOR |
|-----|------------|-----|------------|
| 1 | WH | 5 | GY |
| 2 | BN | 6 | PK |
| 3 | GN | 7 | BU |
| 4 | YE | 8 | RD |

**12 POLE
M12 FEMALE**



| PIN | WIRE COLOR | PIN | WIRE COLOR |
|-----|------------|-----|------------|
| 1 | WH | 7 | BU |
| 2 | BN | 8 | RD |
| 3 | GN | 9 | BK |
| 4 | YE | 10 | VT |
| 5 | GY | 11 | GY/PK |
| 6 | PK | 12 | RD/BU |

PART No MATRIX



Y0= ULTRA LOCK 2.0
SINGLE ENDED

POLES:
8 = 8 POLES
C = 12 POLES

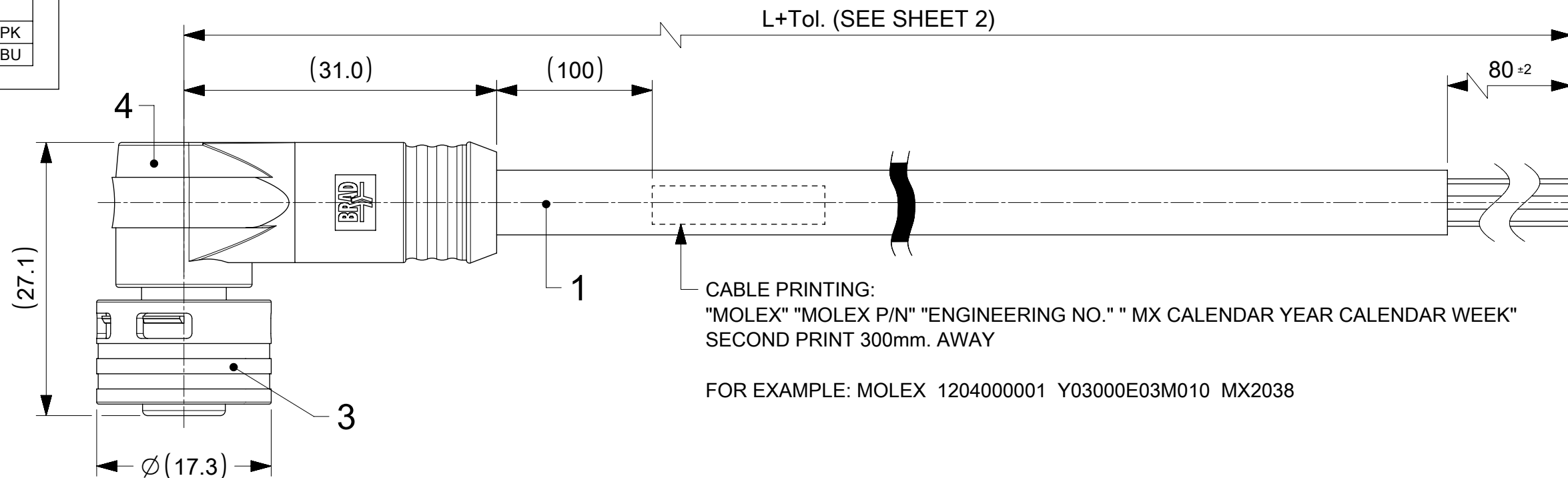
HEADER:
001= FEMALE RA

CABLE:
E02 - 8x0.25 PVC BLACK
B41 - 8x0.25 WSOR BLACK
H08 - 8x0.25 PUR-LS0H BLACK
H45 - 12x0.14 PUR BLACK

UNIT:
M = METER
F = FEET
C = CENTIMETER
T = 10M

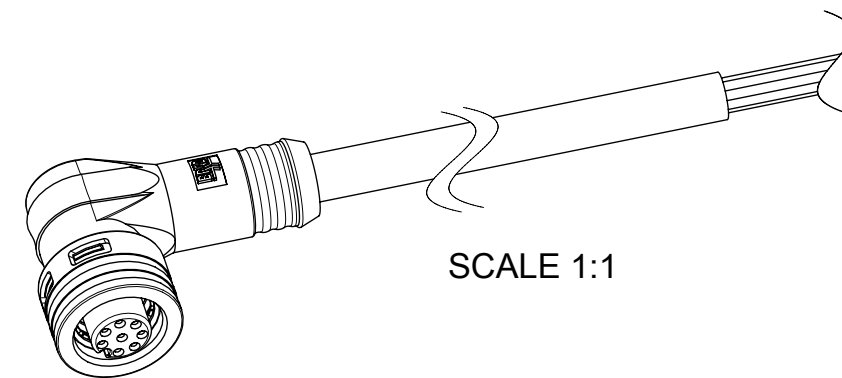
LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OVERMOLD:
BLANK = STANDARD BRAD:
-YELLOW IN THE USA
-BLACK IN EUROPE
A = GREY
E = RED
G = BLACK
Y = YELLOW
H = STD. COLOUR WITH TWO
I/D-TAG CARRIERS



NOTES:

- PARTS ACC. TO PRODUCT SPECIFICATION
1204000001 PS P10 AND IN STYLE OF IEC-61076-2-010
- BOM & PART LIST - SEE SHEET 2
- RATED VOLTAGE :
8, 12 CONTACTS: 30V AC OR DC
RATED CURRENT:
8 CONTACTS: 2A
12 CONTACTS: 1.5A,
DERATING HAS TO BE CONSIDERED
OVERVOLTAGE CATEGORY: 3
POLLUTION DEGREE: 3, ONLY IN MATED AND LOCKED CONDITION
- PROTECTION CLASS: IP 67, ONLY IN MATED AND LOCKED CONDITION
- TEMPERATURE RANGE:
TEMPERATURE PLUG/SOCKET: -40 °C TO +85 °C
TEMPERATURE CABLE: SEE CABLE LIST
- MECHANICAL OPERATIONS: 100 CYCLES
- MATES WITH ULTRA-LOCK M12 MALE RECEPTACLES
- PACKAGING: THE CORDSETS ARE SINGLE PACKED IN PLASTIC BAGS AND DELIVERED IN CARTON BOXES
- UL CSA FILE REGISTRATION PENDING



| | | | | | |
|--|---|------------------------|--|----------------------------|--------------------------------------|
| 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: NOTES AND CABLE LIST UPDATED | | molex |
| | △/A = 0 | mm | SCALE 2:1 | | |
| DIVISIONAL SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | EC NO: 736602 | | CSE U12 8-12P AC FE RA XM SE UNSH BK |
| | △/E = 0 | ANGULAR TOL ± 1.0 ° | | DRWN: RSCHIEBER 2023/01/24 | |
| | △/F = 0 | 4 PLACES ± | 3 PLACES ± | CHK'D: RSILLER 2023/01/31 | PRODUCT CUSTOMER DRAWING |
| | | 2 PLACES ± 0.05 | 2 PLACES ± 0.05 | APPR: RSILLER 2023/01/31 | |
| | | 1 PLACE ± 0.3 | 1 PLACE ± 0.3 | INITIAL REVISION: | |
| | 0 PLACES ± 0.5 | 0 PLACES ± 0.5 | DRWN: RSCHIEBER 2020/09/16 | APPR: RSILLER 2020/09/29 | DOCUMENT NUMBER 1204000300 |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIRD ANGLE PROJECTION | DRAWING A3-SIZE | SERIES 120400 | MATERIAL NUMBER SEE SHEET 2 |
| | | | | | CUSTOMER GENERAL MARKET |
| | | | | | DOC TYPE PSD |
| | | | | | DOC PART 000 |
| | | | | | REVISION B3 |
| | | | | | SHEET NUMBER 1 OF 2 |

| PART LIST | | |
|------------|-----------------|-------------|
| MOLEX NO. | ENGINEERING NO. | LENGHT (MM) |
| 1204000300 | Y08001E02M010 | 1000 |
| 1204000301 | Y08001E02M020 | 2000 |
| 1204000302 | Y08001E02M050 | 5000 |
| 1204000303 | Y08001E02M100 | 10000 |
| 1204000304 | Y08001B41M010 | 1000 |
| 1204000305 | Y08001B41M020 | 2000 |
| 1204000306 | Y08001B41M050 | 5000 |
| 1204000307 | Y08001B41M100 | 10000 |
| 1204000308 | Y08001H08M010 | 1000 |
| 1204000309 | Y08001H08M020 | 2000 |
| 1204000310 | Y08001H08M050 | 5000 |
| 1204000311 | Y08001H08M100 | 10000 |
| 1204000312 | Y0C001H45M010 | 1000 |
| 1204000313 | Y0C001H45M020 | 2000 |
| 1204000314 | Y0C001H45M050 | 5000 |
| 1204000315 | Y0C001H45M100 | 10000 |
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| CABLE LIST | | | | | | | | | | | |
|------------|-----|------------|--|----------|--------------|----------------------|-------|--------------------------|-------|--------------|-------|
| 8P | 12P | CABLE TYPE | DESCRIPTION | MATERIAL | FINISH/COLOR | FIXED INSTALLATION * | | FLEXIBLE INSTALLATION ** | | DRAG CHAIN | |
| | | | | | | MIN. | MAX. | MIN. | MAX. | MIN. | MAX. |
| X | | E02 | 8X0.25MM;UNSHLD;PVC;BK;OD=6.60MM | PVC | BLACK | -30°C | +80°C | -10°C | +80°C | NOT SUITABLE | |
| X | | B41 | CABLE 8X0.25 TPU BK D6.40 TPE UNSH DCS | PUR WSOR | BLACK | -40°C | +90°C | -25°C | +80°C | -5°C | +60°C |
| X | | H08 | CABLE PUR;BLK 8X0.25MM-LSOH;UL OD=6.10 | PUR-LS0H | BLACK | -40°C | +80°C | -25°C | +80°C | +5°C | +60°C |
| | X | H45 | CABLE12X0.14BLK PUR D6.0 UL/CSA | PUR | BLACK | -40°C | +80°C | -25°C | +80°C | +5°C | +60°C |

| CABLE LENGTH TOLERANCES | |
|-------------------------|------------|
| LENGTH | TOLERANCE |
| 0m-1m | +40 mm |
| >1m-5m | +60 mm |
| >5m-10m | +80 mm |
| >10m-20m | +140 mm |
| >20m-30m | +160 mm |
| >30m | +1% length |

* FIXED POSITION WITHOUT ACCIDENTAL CRUSHING OF VIBRATION.
 ** FREE MOTION WITHOUT PERIODIC RECURRENCE OR FORCED GUIDANCE.

| BILL OF MATERIAL | | | | | | |
|-------------------------|-----|------|-----|--------------------------------------|----------------|-------------------------|
| 8P | 12P | ITEM | QTY | DESCRIPTION | MATERIAL | FINISH/COLOR |
| X | X | 1 | - | CABLE | SEE CABLE LIST | SEE CABLE LIST |
| X | | 2 | 8 | CONTACT 8 FE TUR AU CR SHORT 7/8POLE | BRASS | GOLD OVER NICKEL PLATED |
| | X | | 12 | CONTACT 6 FE TUR NI CR WRA0.14-0.25 | | |
| X | | 3 | 1 | PLG U12 8P AC FE PA UNSH | - | - |
| | X | | 1 | PLG U12 12P AC FE PA UNSH | | |
| X | X | 4 | 1 | OVERMOLD | TPC | SEE MATRIX |
| | | - | 2 | I/D CARRIER DIA 4-7MMX30MM | PVC | TRANSPARENT |
| IF "H" IS IN MATRIX-END | | | | | | |

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

| | | | | |
|----------------------------------|--|---|---|--|
| <p>FUNCTIONAL SYMBOLS</p> | <p>DIMENSION UNITS: mm</p> <p>SCALE: 1:1</p> <p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>ANGULAR TOL ± 1.0°</p> <p>4 PLACES ±</p> <p>3 PLACES ±</p> <p>2 PLACES ± 0.05</p> <p>1 PLACE ± 0.3</p> <p>0 PLACES ± 0.5</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p> | <p>CURRENT REV DESC: NOTES AND CABLE LIST UPDATED</p> <p>EC NO: 736602</p> <p>DRWN: RSCHEIBER 2023/01/24</p> <p>CHK'D: RSILLER 2023/01/31</p> <p>APPR: RSILLER 2023/01/31</p> <p>INITIAL REVISION:</p> <p>DRWN: RSCHEIBER 2020/09/16</p> <p>APPR: RSILLER 2020/09/29</p> | <h1 style="margin: 0;">molex</h1> <p>CSE U12 8-12P AC FE RA XM SE UNSH BK</p> <p>PRODUCT CUSTOMER DRAWING</p> | <p>DOCUMENT NUMBER: 1204000300</p> <p>DOC TYPE: PSD</p> <p>DOC PART: 000</p> <p>REVISION: B3</p> |
| | | <p>DRAWING: A3-SIZE</p> <p>SERIES: 120400</p> | <p>MATERIAL NUMBER: SEE PART LIST</p> <p>CUSTOMER: GENERAL MARKET</p> | <p>SHEET NUMBER: 2 OF 2</p> |