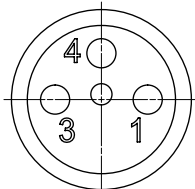


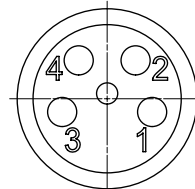
M8 FEMALE
VIEWS FROM THE FRONT SIDE

3 POLE



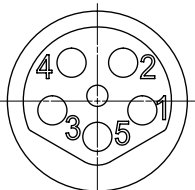
| Pin | Wire color |
|-----|------------|
| 1 | BROWN |
| 3 | BLUE |
| 4 | BLACK |

4 POLE



| Pin | Wire color |
|-----|------------|
| 1 | BROWN |
| 2 | WHITE |
| 3 | BLUE |
| 4 | BLACK |

5 POLE



| Pin | Wire color |
|-----|------------|
| 1 | BROWN |
| 2 | WHITE |
| 3 | BLUE |
| 4 | BLACK |
| 5 | GREY |

PART NO. MATRIX

4 0 X 0 0 1 B X X M X X X X

40 = M8x1
SINGLE ENDED

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

HEADER:
001 = FEMALE 90°

CABLE:
B41 = 0,25mm²,
TPU BK
B36 = 0,34mm²,
TPU OG

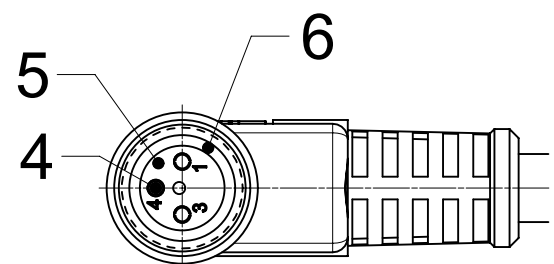
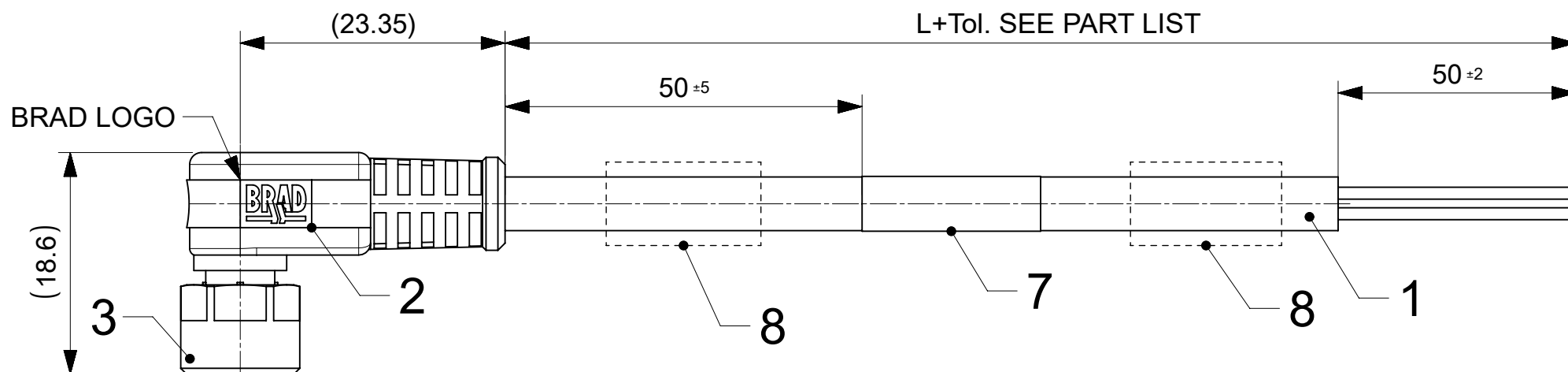
UNIT:
M = METER

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

OPTIONS

COUPLING NUT:
BLANK = KNU
7 = TEFLON KNU
OVERMOULD:
BLANK = BK
A = GY
Y = YE
R = RD
H = 2x I/D CARIERR
AND ALWAYS WITH
THE CABLE B3

FEMALE RIGHT ANGLED PLUG(M8 PLUG)



VIEW FROM THE FRONT SIDE
3P

BOM

| ITEM | QTY. | DESCRIPTION | MATERIAL | FINISH / COLOR |
|------|--------------|---------------------|---------------|---------------------------|
| 8 | (SEE MATRIX) | ID-CARRIER | PVC | TRANSPARENT |
| 7 | 1 | WRAP LABEL STANDARD | VINYL | YELLOW |
| 6 | 1 | GASKET | FKM | RED |
| 5 | 1 | INSERT M8 FE XP | PUR | BLACK |
| 4 | 3/4/5 | CONTACT FE | COPPER | SELECTED GOLD OVER NICKEL |
| 3 | 1 | M8 COUPLING NUT | SEE PART LIST | SEE PART LIST |
| 2 | - | MOULDING MATERIAL | TPU | SEE PART LIST |
| 1 | - | CABLE | TPU | SEE PART LIST |

TECHNICAL DATA :

| | |
|------------------------|----------------|
| TEMPERATURE RANGE | -25°C TO +80°C |
| CONTACT CURRENT RATING | 3A |
| VOLTAGE RATING | 3 POLES 60V |
| | 4-5 POLES 30V |
| PROTECTION CLASS | IP 67 |

| 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: | | molex | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------|--|--------------------|----------------|----------------|-------------------|-----|----------------|---|-----------------|-------------------|--------------------|----------|--------------------|----------|-----|---|----------|---|----------|---|---------|---|----------|---|--|------------|------------|
| | <table border="1"> <tr> <th>FUNCTIONAL SYMBOLS</th> <th>DIMENSION UNITS</th> <th>SCALE</th> </tr> <tr> <td>$\nabla_A = 0$</td> <td>mm</td> <td>2:1</td> </tr> <tr> <td>$\nabla_E = 0$</td> <td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> </tr> <tr> <td>$\nabla_{E'} = 0$</td> <td colspan="2">ANGULAR TOL ± 1.0°</td> </tr> <tr> <td rowspan="5">DIVISIONAL SYMBOLS</td> <td>4 PLACES</td> <td>±</td> <td rowspan="5">EC NO: 684766 DRWN: SSM CHK'D: RSILLER APPR: RSILLER</td> </tr> <tr> <td>3 PLACES</td> <td>±</td> </tr> <tr> <td>2 PLACES</td> <td>±</td> </tr> <tr> <td>1 PLACE</td> <td>±</td> </tr> <tr> <td>0 PLACES</td> <td>±</td> </tr> </table> | FUNCTIONAL SYMBOLS | DIMENSION UNITS | | SCALE | $\nabla_A = 0$ | mm | 2:1 | $\nabla_E = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | $\nabla_{E'} = 0$ | ANGULAR TOL ± 1.0° | | DIVISIONAL SYMBOLS | 4 PLACES | ± | EC NO: 684766 DRWN: SSM CHK'D: RSILLER APPR: RSILLER | 3 PLACES | ± | 2 PLACES | ± | 1 PLACE | ± | 0 PLACES | ± | <table border="1"> <tr> <td>2021/11/03</td> <td>2021/11/10</td> <td>2021/11/10</td> </tr> </table> | 2021/11/03 | 2021/11/10 |
| FUNCTIONAL SYMBOLS | DIMENSION UNITS | SCALE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\nabla_A = 0$ | mm | 2:1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\nabla_E = 0$ | GENERAL TOLERANCES (UNLESS SPECIFIED) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\nabla_{E'} = 0$ | ANGULAR TOL ± 1.0° | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIVISIONAL SYMBOLS | 4 PLACES | ± | EC NO: 684766 DRWN: SSM CHK'D: RSILLER APPR: RSILLER | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ± | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 PLACES | ± | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 PLACE | ± | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 PLACES | ± | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2021/11/03 | 2021/11/10 | 2021/11/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INITIAL REVISION: | | | PRODUCT CUSTOMER DRAWING | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | <table border="1"> <tr> <td>DRWN: WSTRASZKIEWI</td> <td>2014/09/02</td> <td>2014/09/08</td> </tr> <tr> <td>APPR: MIWASIECZKO</td> <td></td> <td></td> </tr> </table> | DRWN: WSTRASZKIEWI | 2014/09/02 | 2014/09/08 | APPR: MIWASIECZKO | | | <table border="1"> <tr> <td>DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td>SD-120086-010</td> <td>PSD</td> <td>001</td> <td>B4</td> </tr> </table> | DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION | SD-120086-010 | PSD | 001 | B4 | | | | | | | | | | | |
| DRWN: WSTRASZKIEWI | 2014/09/02 | 2014/09/08 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APPR: MIWASIECZKO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SD-120086-010 | PSD | 001 | B4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THIRD ANGLE PROJECTION | | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER | | | | | | | | | | | | | | | | | | | | | | | |
| | | A3-SIZE | 120086 | SEE PART LIST | GENERAL MARKET | 1 OF 2 | | | | | | | | | | | | | | | | | | | | | | | |

CABLE INFORMATION


| CABLE TYPE | NO. OF WIRES | CROSS SECTION | CABLE JACKET | UL | CSA | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN: TEMP. / BENDING RADIUS | DRAG CHAIN | CABLE SPEC. DRAWING | OTHER INFORMATION |
|------------|--------------|---------------------|--------------|----------|-------------------------|--------------------------------|---------------------------------|------------------------------------|---------------------------------|---------------------|-------------------|
| B41 | 3/4 | 0.25mm ² | TPU BLACK | UL 21215 | C22.2 I/II A/B 80°/600V | -40°C to +90°C 5xO.D. | -25°C to +80°C 7.5xO.D. | -5°C to +60°C 7.5xO.D. | up to 5 mio cycles at temp 20°C | SD-120209-006 | WSOR |
| B36 | 3/4 | 0.34mm ² | TPU ORANGE | | | | | | | SD-120209-001 | |

PART LIST

| MOLEX PN | ENGINEERING No | L+Tol. [mm] |
|------------|-----------------|-------------|
| 1200868667 | 403001B41M010 | 1000 |
| 1200868668 | 403001B41M020 | 2000 |
| 1200868669 | 403001B41M050 | 5000 |
| 1200868670 | 403001B41M100 | 10000 |
| 1200868671 | 404001B41M010 | 1000 |
| 1200868672 | 404001B41M020 | 2000 |
| 1200868673 | 404001B41M050 | 5000 |
| 1200868674 | 404001B41M100 | 10000 |
| 1200868675 | 405001B41M010 | 1000 |
| 1200868676 | 405001B41M020 | 2000 |
| 1200868677 | 405001B41M050 | 5000 |
| 1200868678 | 405001B41M100 | 10000 |
| 1200868883 | 403001B36M0507Y | 5000 |
| 1200868888 | 404001B36M0507Y | 5000 |
| 1200868925 | 403001B36M0107Y | 1000 |
| 1200868948 | 404001B41M005 | 500 |
| 1200868949 | 404001B41M030 | 3000 |
| 1200868950 | 404001B41M040 | 4000 |
| 1200868951 | 404001B41M080 | 8000 |
| | | |
| | | |

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 |

| | | | | | | | |
|--------------------|---|--|-------------------|----------------|---|--|--|
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| | $\nabla_A = 0$ $\nabla_B = 0$ $\nabla_C = 0$ | DIMENSION UNITS: mm SCALE: 1:1 | | | | | |
| DIVISIONAL SYMBOLS | 4 PLACES ± | EC NO: 684766 | 2021/11/03 | | CSE M8 XP AC FE RA TPU XM | | |
| | 3 PLACES ± | DRWN: SSM | 2021/11/10 | | | | |
| | 2 PLACES ± | CHK'D: RSILLER | 2021/11/10 | | PRODUCT CUSTOMER DRAWING | | |
| | 1 PLACE ± | APPR: RSILLER | 2021/11/10 | | | | |
| | 0 PLACES ± | INITIAL REVISION: | | | DOCUMENT NUMBER: SD-120086-010 DOC TYPE: PSD DOC PART: 001 REVISION: B4 | | |
| | | DRWN: WSTRASZKIEWI | 2014/09/02 | | | | |
| | | APPR: MIWASIECZKO | 2014/09/08 | | MATERIAL NUMBER: SEE PART LIST CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 2 | | |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | | |
| | | THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120086 | | | |