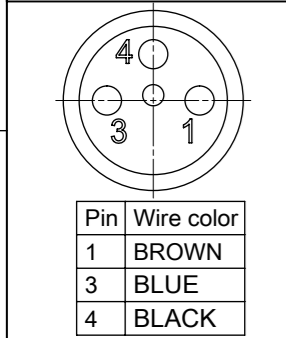


**M8 FEMALE VIEWS FROM THE FRONT SIDE 3 POLE**



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



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



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

**PART NO MATRIX**

4 0 \* 0 0 0 B 4 1 M \* \* \* \*

40 = M8 SINGLE ENDED

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

HEADER:  
000 = FEMALE STRAIGHT

CABLE:  
B41 = 0,25mm<sup>2</sup>, TPU BLACK

UNIT:  
M = METER

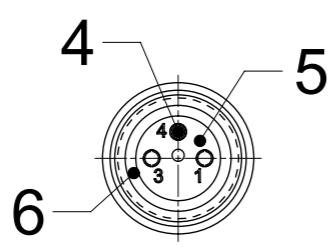
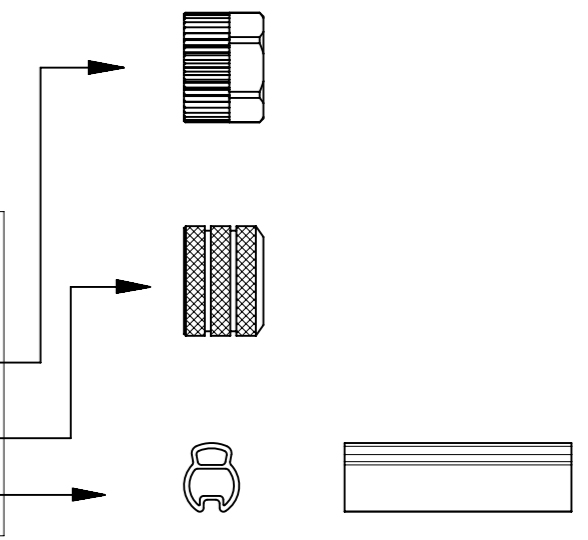
LENGTH:  
EXAMPLE:  
010 = 1 m  
050 = 5 m  
100 = 10 m

OVERMOLD COLOR:  
BLANK (STANDARD)= BLACK  
Y= YELLOW

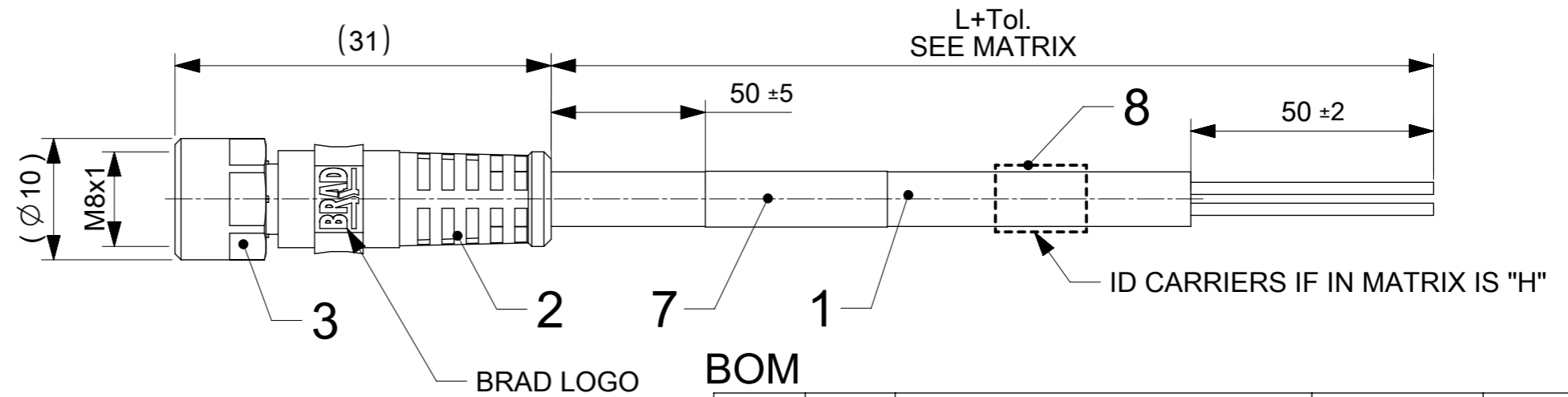
COUPLING NUT:  
BLANK (STANDARD)= KNURLED / HEX BRASS, Ni PLATED  
7 = KNURLED BRASS, Ni PLATED, TEFLON COATED

H = 2 PCS. OF I/D CARRIER FOR CABLE B36

**OPTIONS**



VIEW FROM THE FRONT SIDE 3P



**BOM**

| ITEM | QTY.  | DESCRIPTION                    | MATERIAL | FINISH                     |
|------|-------|--------------------------------|----------|----------------------------|
| 8    | 2     | ID-CARRIER (SEE MATRIX)        | -        | -                          |
| 7    | 1     | LABEL YE STANDARD              | VINYL    | -                          |
| 6    | 1     | GASKET RD                      | FKM      | -                          |
| 5    | 1     | INSERT M8 FE XP                | PUR      | -                          |
| 4    | 3/4/5 | CONTACT FE                     | BRONZE   | SELECTIVE GOLD OVER NICKEL |
| 3    | 1     | M8 HEX KNU FE NUT              | BRASS    | Ni3                        |
| 2    | -     | MOULDING MATERIAL              | TPU      | SEE PART LIST              |
| 1    | -     | CABLE Xx0.25mm <sup>2</sup> BK | TPU      | -                          |

**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% of length |

**NOTES**

|                        |                |
|------------------------|----------------|
| Temperature Range      | -25°C/+80°C    |
| Contact Current Rating | 3A             |
| Voltage Rating         | 3 poles 60V    |
|                        | 4-5 poles 30 V |
| Protection class       | IP 67          |

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

FUNCTIONAL SYMBOLS:  $\nabla_A = 0$ ,  $\nabla_E = 0$ ,  $\nabla_F = 0$

DIMENSION UNITS: mm, SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED): 4 PLACES ±, 3 PLACES ±, 2 PLACES ±, 1 PLACE ±, 0 PLACES ±

ANGULAR TOL: ± °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE, SERIES: 120086

EC NO: 682347, DRWN: MDHARMANTI, 2021/10/19, CHK'D: RSILLER, 2021/10/22, APPR: RSILLER, 2021/10/22

INITIAL REVISION: DRWN: MDHARMANTI, 2021/10/19, APPR: RSILLER, 2021/10/22

CURRENT REV DESC: ADDED NEW PNS

**molex**

CSE M8 XP AC FE STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200868655, DOC TYPE: PSD, DOC PART: 000, REVISION: A

MATERIAL NUMBER: SEE SHEET 2, CUSTOMER: GENERAL MARKET, SHEET NUMBER: 1 OF 2





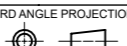
TABLE 1

| MOLEX PN   | ENGINEERING No  | LENGTH (MM) |
|------------|-----------------|-------------|
| 1200868832 | 403000B41M005   | 500         |
| 1200868655 | 403000B41M010   | 1000        |
| 1200868656 | 403000B41M020   | 2000        |
| 1200868657 | 403000B41M050   | 5000        |
| 1200868658 | 403000B41M100   | 10000       |
| 1200868659 | 404000B41M010   | 1000        |
| 1200868660 | 404000B41M020   | 2000        |
| 1200868661 | 404000B41M050   | 5000        |
| 1200868662 | 404000B41M100   | 10000       |
| 1200868663 | 405000B41M010   | 1000        |
| 1200868664 | 405000B41M020   | 2000        |
| 1200868665 | 405000B41M050   | 5000        |
| 1200868666 | 405000B41M100   | 10000       |
| 1200868798 | 403000B41M065   | 6500        |
| 1200868840 | 403000B41M150   | 15000       |
| 1200868841 | 403000B41M200   | 20000       |
| 1200868882 | 403000B36M0107Y | 1000        |
| 1200868884 | 404000B36M0107Y | 1000        |
| 1200868885 | 404000B36M0207Y | 2000        |
| 1200868886 | 404000B36M0307Y | 3000        |
| 1200868887 | 404000B36M0507Y | 5000        |
| 1200868891 | 403000B36M0207Y | 2000        |
| 1200868781 | 403000B41M055   | 5500        |
| 1200868782 | 403000B41M085   | 8500        |
| 1200868889 | 404000B41M200   | 20000       |
| 1200868890 | 404000B41M150   | 15000       |

| MOLEX PN   | ENGINEERING No | LENGTH (MM) |
|------------|----------------|-------------|
| 1200868944 | 404000B41M005  | 500         |
| 1200868945 | 404000B41M030  | 3000        |
| 1200868946 | 404000B41M040  | 4000        |
| 1200868947 | 404000B41M080  | 8000        |

CABLE SPECIFICATION

| CABLE TYPE | NO. OF WIRES | WIRE GAUGE          | CABLE JACKET | UL              | CSA                     | static             | flexing              | drag chain tested | other                | CABLE SPEC. DRAWING |
|------------|--------------|---------------------|--------------|-----------------|-------------------------|--------------------|----------------------|-------------------|----------------------|---------------------|
| B41        | 3/4/5        | 0.25mm <sup>2</sup> | TPU BLACK    | STYLE 21215     | yes                     | -40°C TO +90°C 5xD | -25°C TO +80°C 7.5xD | 5 mio cycles      | WELD SLAG RESISTANCE | SD-120209-006       |
| B36        | 3/4          | 0.34mm <sup>2</sup> | TPU ORANGE   | STYLE 21215/758 | C22.21/III/ A/B 80/600V | -40°C TO +90°C 5xD | -25°C TO +80°C 7.5xD | 5 mio cycles      | WELD SLAG RESISTANCE | SD-120209-001       |

|   |  |   |   |                                      |                                |   |                        |
|---|--|---|---|--------------------------------------|--------------------------------|---|------------------------|
| <b>FUNCTIONAL SYMBOLS</b><br> = 0<br> = 0<br> = 0<br><b>DIVISIONAL SYMBOLS</b> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION<br>CURRENT REV DESC: ADDED NEW PNS |   | <br>CSE M8 XP AC FE STR TPU XM |                                      |                                |   |                        |
|   | DIMENSION UNITS: <b>mm</b><br>SCALE: <b>1:1</b>  | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>ANGULAR TOL ± °  |   |                                      |                                | EC NO: 682347<br>DRWN: MDHARMANTI 2021/10/19<br>CHK'D: RSILLER 2021/10/22<br>APPR: RSILLER 2021/10/22 |                        |
|   | 4 PLACES ±<br>3 PLACES ±<br>2 PLACES ±<br>1 PLACE ±<br>0 PLACES ±  | INITIAL REVISION:<br>DRWN: MDHARMANTI 2021/10/19<br>APPR: RSILLER 2021/10/22                                    |   | DOCUMENT NUMBER<br><b>1200868655</b> | DOC TYPE<br>PSD                | DOC PART<br>000   | REVISION<br>A          |
|   | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   | THIRD ANGLE PROJECTION<br> | DRAWING<br><b>A3-SIZE</b>   | SERIES<br><b>120086</b>              | MATERIAL NUMBER<br>SEE TABLE 1 | CUSTOMER<br>GENERAL MARKET  | SHEET NUMBER<br>2 OF 2 |