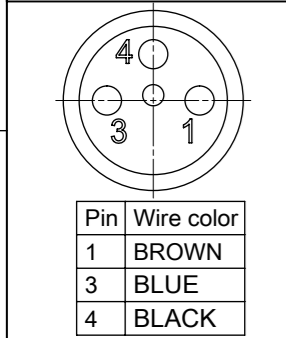


M8 FEMALE VIEWS FROM THE FRONT SIDE 3 POLE



| Pin | Wire color |
|-----|------------|
| 1 | BROWN |
| 2 | WHITE |
| 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 = 0,25mm², TPU BLACK

UNIT:
M = METER

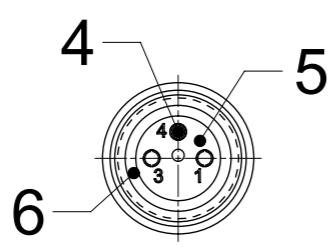
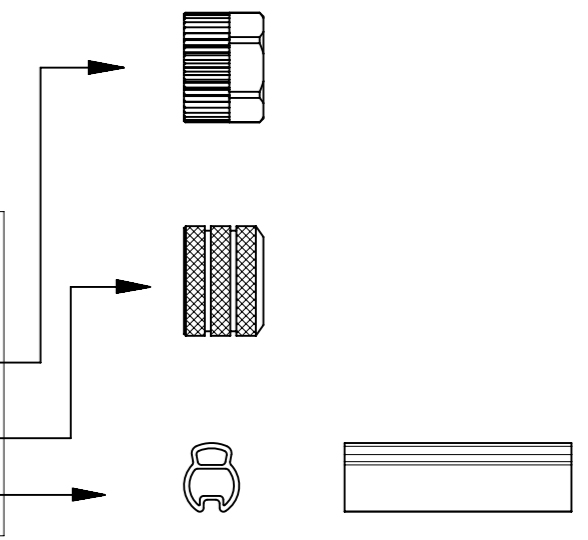
LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

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

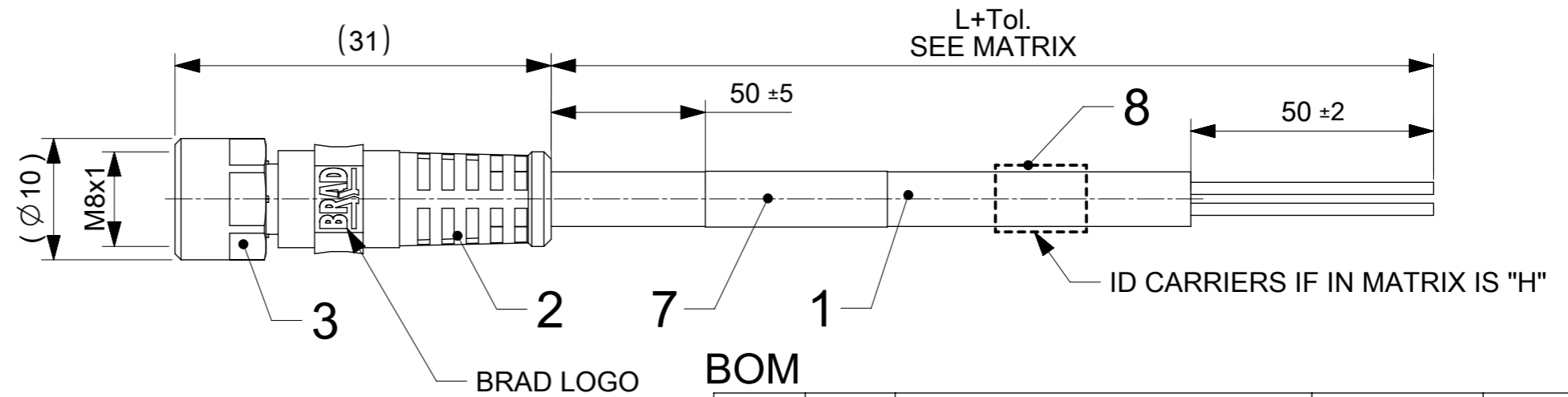
COUPLING NUT:
BLANK (STANDARD)= KNURLED / HEX BRASS, Ni PLATED
7 = KNURLED BRASS, Ni PLATED, TEFLON COATED

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 ² 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





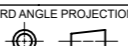
TABLE 1

| 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 ² | 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 ² | 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 |

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