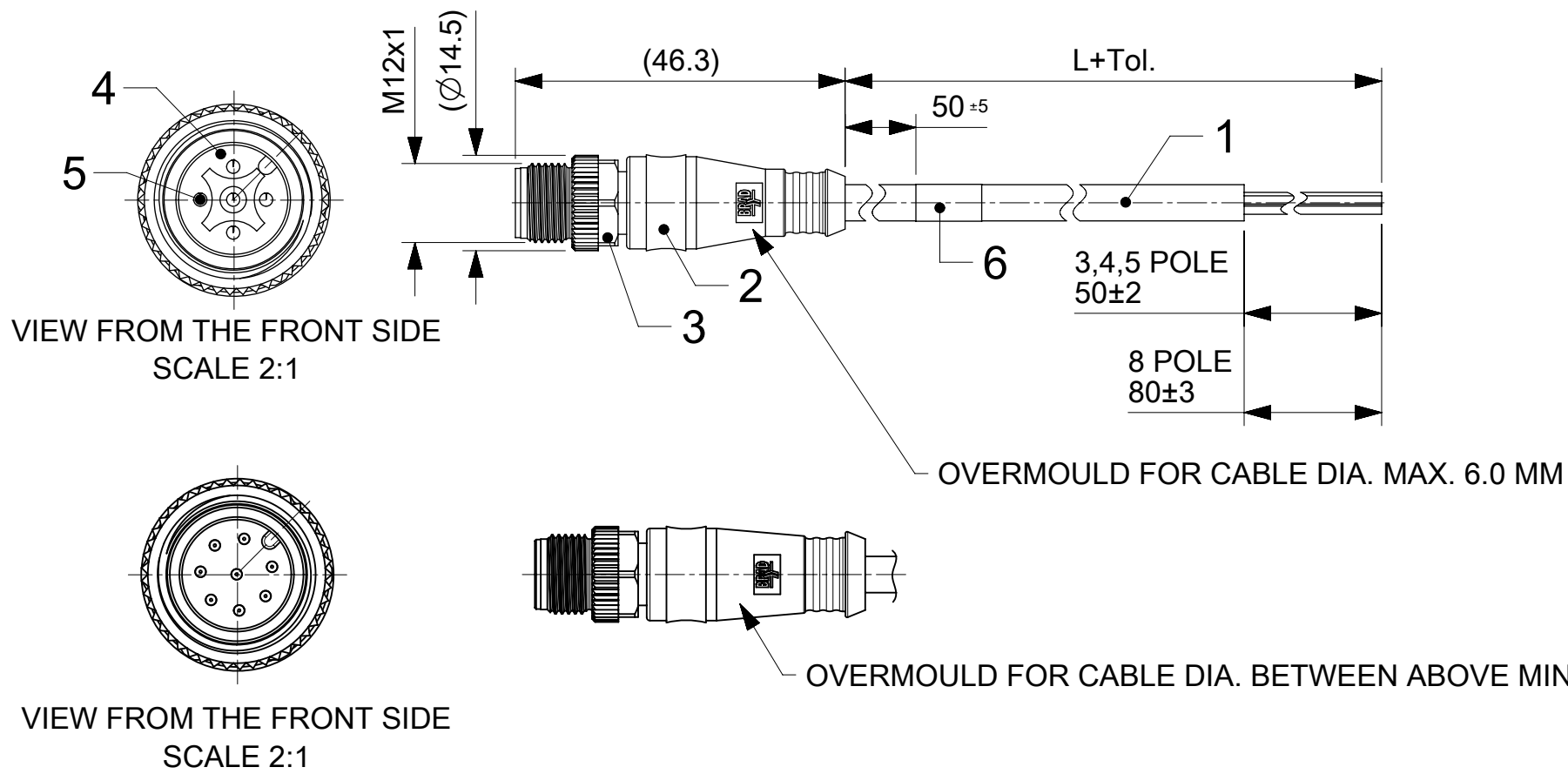
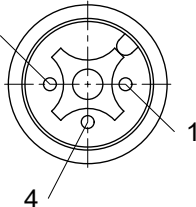
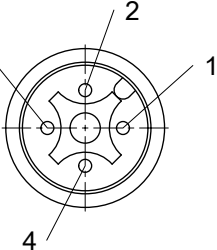
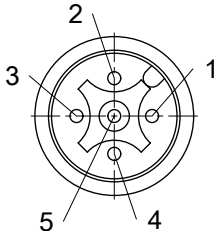
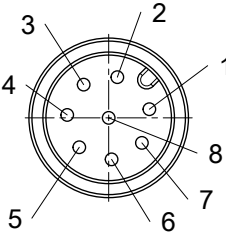




NOTES:  
RATED VOLTAGE:  
3, 4 contacts 250V  
5 contacts 60V  
8 contacts 30V  
RATED CURRENT:  
3, 4, 5 contacts 4A  
8 contacts 2A  
PROTECTION CLASS: IP 67

CONTACTS POSITION FRONT VIEW:

|             | 3 CONTACTS                                                                                                                                          | 4 CONTACTS                                                                          | 5 CONTACTS                                                                          | 8 CONTACTS                                                                           |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------|---|------|---|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|------|---|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|------|---|-------|---|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|-------|---|--------|---|------|---|------|---|------|---|-----|
| MALE        |                                                                  |  |  |  |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| CONNECTIONS | <table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table> | PIN                                                                                 | WIRE                                                                                | 1                                                                                    | BROWN | 3 | BLUE | 4 | BLACK | <table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table> | PIN | WIRE | 1 | BROWN | 2 | WHITE | 3 | BLUE | 4 | BLACK | <table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY<br/>OR<br/>GREEN/YELLOW</td></tr></table> | PIN | WIRE | 1 | BROWN | 2 | WHITE | 3 | BLUE | 4 | BLACK | 5 | GREY<br>OR<br>GREEN/YELLOW | <table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></table> | PIN | WIRE | 1 | WHITE | 2 | BROWN | 3 | GREEN | 4 | YELLOW | 5 | GREY | 6 | PINK | 7 | BLUE | 8 | RED |
| PIN         | WIRE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1           | BROWN                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3           | BLUE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4           | BLACK                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN         | WIRE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1           | BROWN                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2           | WHITE                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3           | BLUE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4           | BLACK                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN         | WIRE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1           | BROWN                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2           | WHITE                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3           | BLUE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4           | BLACK                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5           | GREY<br>OR<br>GREEN/YELLOW                                                                                                                          |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN         | WIRE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1           | WHITE                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2           | BROWN                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3           | GREEN                                                                                                                                               |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4           | YELLOW                                                                                                                                              |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5           | GREY                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 6           | PINK                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 7           | BLUE                                                                                                                                                |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 8           | RED                                                                                                                                                 |                                                                                     |                                                                                     |                                                                                      |       |   |      |   |       |                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |                                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |                            |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |

FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

| 6    | 1     | LABEL               | VINYL       | YELLOW              |
|------|-------|---------------------|-------------|---------------------|
| 5    | 3/4/5 | CONTACT MA          | COPPER      | GOLD OVER Ni-PLATED |
|      | 8     | CONTACT MA          | BRASS       | GOLD OVER Ni-PLATED |
| 4    | 1     | INSERT M12 MA XP    | PUR         | BLACK               |
| 3    | 1     | COUPLING NUT M12 MA | SEE SHEET 2 | SEE SHEET 2         |
| 2    | -     | OVERMOULDING        | TPU         | SEE SHEET 2         |
| 1    | -     | CABLE               | SEE SHEET 2 | -                   |
| ITEM | QTY.  | DESCRIPTION         | MATERIAL    | FINISH              |

|                    |                                                                                                                                               |  |                           |         |                                      |        |                  |             |                 |                |          |              |  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|---------|--------------------------------------|--------|------------------|-------------|-----------------|----------------|----------|--------------|--|
| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                           |         |                                      |        |                  |             |                 |                |          |              |  |
|                    | DIMENSION UNITS                                                                                                                               |  | SCALE                     |         | CURRENT REV DESC: NEW PN ADDED       |        | <div>molex</div> |             |                 |                |          |              |  |
|                    | mm                                                                                                                                            |  | 1:1                       |         |                                      |        |                  |             |                 |                |          |              |  |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  | ANGULAR TOL ± 1.0 °       |         | CSE M12 XP AC MA STR WSOR XM SE UNSH |        |                  |             |                 |                |          |              |  |
| 4 PLACES ±         |                                                                                                                                               |  |                           |         |                                      |        |                  |             |                 |                |          |              |  |
| DIVISIONAL SYMBOLS | 3 PLACES ±                                                                                                                                    |  | EC NO: 704766             |         | PRODUCT CUSTOMER DRAWING             |        |                  |             |                 |                |          |              |  |
|                    | 2 PLACES ± 0.05                                                                                                                               |  | DRWN: ARPITT 2022/04/27   |         |                                      |        |                  |             |                 |                |          |              |  |
|                    | 1 PLACE ± 0.3                                                                                                                                 |  | CHK'D: RSILLER 2022/04/28 |         |                                      |        |                  |             |                 |                |          |              |  |
|                    | 0 PLACES ± 0.5                                                                                                                                |  | APPR: RSILLER 2022/04/28  |         | DOCUMENT NUMBER                      |        | DOC TYPE         | DOC PART    | REVISION        |                |          |              |  |
|                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION    |         | DRAWING                              |        | SERIES           |             | MATERIAL NUMBER |                | CUSTOMER | SHEET NUMBER |  |
|                    |                                                                                                                                               |  |                           | A3-SIZE |                                      | 120065 |                  | SEE SHEET 3 |                 | GENERAL MARKET |          | 1 OF 3       |  |

ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

## OPTIONS

8

0

**X**

0

0

6

# B

X

**X**

M

**X**

**X**

X

**X**

88 = M12x1  
SINGLE ENDED

POLES:  
3 = 3 POLES  
4 = 4 POLES  
5 = 5 POLES  
8 = 8 POLES

HEADER:  
006 = PLUG MALE STRARIGHT

CABLE TYPE:  
SEE TABLE

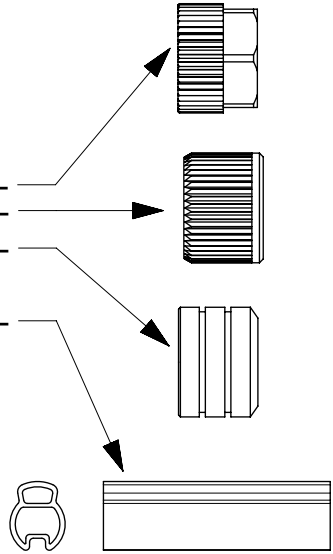
UNIT:  
M = METER

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

Overmold color:  
Blank (Standard)=Black  
A=Grey / G=Black / Y=Yellow / R=Red

|                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Coupling Nut:<br/> Blank (Standard)=Knurled/Hex Brass, Ni Plated<br/> 5=Knurled Derlin<br/> 7=Knurled Brass Ni Plated, Teflon Coated</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------|

H= 2 pcs. of I/D Carrier PVC Transparent  
(Cable B36 always with  
2 pcs. I/D Carrier)



CABLE INFORMATION (for more information see Cable Data Sheet)

| 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 PRODUCT SPECIFICATION | CABLE SPEC. DRAWING |
|------------|--------------|---------------|--------------|--------------|-------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------------------|-----------------------------|---------------------|
| B30        | 3 / 4 / 5    | 0.34mm²       | TPU Black    | UL 21215/758 | C22.2 I/II A/B 80°/600V | -40°C to +90°C<br>5xO.D.       | -25°C to +80°C<br>7.5xO.D.      | -5°C to +60°C<br>7.5xO.D.          | up to 5 000 000 cycles<br>at temp 20°C | 1552200001                  | SD-120209-001       |
| B33        | 4 / 5        | 0.34mm²       | TPU Gray     |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B36        | 4 / 5        | 0.34mm²       | TPU Orange   |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B41        | 8            | 0.25mm²       | TPU Black    |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-006       |
| B42        | 5            | 0.34mm²       | TPU Black    |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B49        | 8            | 0.25mm²       | TPU Orange   |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-006       |
| B55        | 3 / 4 / 5    | 0.34mm²       | TPU Yellow   |              |                         |                                |                                 |                                    |                                        |                             | n/a                 |

|                                                      |                                                                                                                                               |                        |        |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|---------|---------------------------------------------------------------------------------------------------|--------|--|-------------|------------------------------------------------------------------|----------------|-----------------|----------|----------|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |        |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | DIMENSION UNITS                                                                                                                               |                        | SCALE  |         | CURRENT REV DESC: NEW PN ADDED                                                                    |        |  |             | <div>molex</div> <div>CSE M12 XP AC MA STR WSOR XM SE UNSH</div> |                |                 |          |          |
|                                                      | mm                                                                                                                                            |                        | 1:1    |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                        |        |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | ANGULAR TOL ± 1.0°                                                                                                                            |                        |        |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | 4 PLACES                                                                                                                                      |                        | ±      |         | EC NO: 704766<br>DRWN: ARPITT 2022/04/27<br>CHK'D: RSILLER 2022/04/28<br>APPR: RSILLER 2022/04/28 |        |  |             | PRODUCT CUSTOMER DRAWING                                         |                |                 |          |          |
|                                                      | 3 PLACES                                                                                                                                      |                        | ±      |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | 2 PLACES                                                                                                                                      |                        | ± 0.05 |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | 1 PLACE                                                                                                                                       |                        | ± 0.3  |         |                                                                                                   |        |  |             |                                                                  |                |                 |          |          |
|                                                      | 0 PLACES                                                                                                                                      |                        | ± 0.5  |         | INITIAL REVISION:<br>DRWN: MDHARMANTI 2021/10/01<br>APPR: RSILLER 2021/10/06                      |        |  |             | DOCUMENT NUMBER                                                  |                | DOC TYPE        | DOC PART | REVISION |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION |        | DRAWING |                                                                                                   |        |  |             | SERIES                                                           |                | MATERIAL NUMBER |          | CUSTOMER |
|                                                      |                                                                                                                                               |                        |        | A3-SIZE |                                                                                                   | 120065 |  | SEE SHEET 3 |                                                                  | GENERAL MARKET |                 | 2 OF 3   |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/04/28 | 08:57:32 |
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|--------------|-----------------|-------|-----------------|---|-------------|---|---|---|---|
| 10           | 9               | 8     | 7               | 6 | 5           | 4 | 3 | 2 | 1 |
| PART LIST    |                 |       |                 |   |             |   |   |   |   |
| MOLEX P/N    |                 |       | ENGINEERING No. |   | LENGTH [mm] |   |   |   |   |
| 3P CABLE B30 |                 |       |                 |   |             |   |   |   |   |
| 1200652271   | 803006B30M010   | 1000  |                 |   |             |   |   |   |   |
| 1200652272   | 803006B30M020   | 2000  |                 |   |             |   |   |   |   |
| 1200652273   | 803006B30M050   | 5000  |                 |   |             |   |   |   |   |
| 1200652274   | 803006B30M100   | 10000 |                 |   |             |   |   |   |   |
| 4P CABLE B30 |                 |       |                 |   |             |   |   |   |   |
| 1200656066   | 804006B30M005   | 500   |                 |   |             |   |   |   |   |
| 1200652275   | 804006B30M010   | 1000  |                 |   |             |   |   |   |   |
| 1200652378   | 804006B30M010R  | 1000  |                 |   |             |   |   |   |   |
| 1200652276   | 804006B30M020   | 2000  |                 |   |             |   |   |   |   |
| 1200652379   | 804006B30M020R  | 2000  |                 |   |             |   |   |   |   |
| 1200656001   | 804006B30M030   | 3000  |                 |   |             |   |   |   |   |
| 1200652380   | 804006B30M030R  | 3000  |                 |   |             |   |   |   |   |
| 1200656002   | 804006B30M040   | 4000  |                 |   |             |   |   |   |   |
| 1200652381   | 804006B30M040R  | 4000  |                 |   |             |   |   |   |   |
| 1200652277   | 804006B30M050   | 5000  |                 |   |             |   |   |   |   |
| 1200652382   | 804006B30M050R  | 5000  |                 |   |             |   |   |   |   |
| 1200656296   | 804006B30M080   | 8000  |                 |   |             |   |   |   |   |
| 1200652278   | 804006B30M100   | 10000 |                 |   |             |   |   |   |   |
| 1200659440   | 804006B30M150   | 15000 |                 |   |             |   |   |   |   |
| 1200657234   | 804006B30M200   | 20000 |                 |   |             |   |   |   |   |
| 5P CABLE B30 |                 |       |                 |   |             |   |   |   |   |
| 1200659964   | 805006B30M006   | 600   |                 |   |             |   |   |   |   |
| 1200659526   | 805006B30M010   | 1000  |                 |   |             |   |   |   |   |
| 1200659527   | 805006B30M020   | 2000  |                 |   |             |   |   |   |   |
| 1200656679   | 805006B30M030   | 3000  |                 |   |             |   |   |   |   |
| 1200659528   | 805006B30M050   | 5000  |                 |   |             |   |   |   |   |
| 1200659529   | 805006B30M100   | 10000 |                 |   |             |   |   |   |   |
| 1200656398   | 805006B30M150   | 15000 |                 |   |             |   |   |   |   |
| 1200656399   | 805006B30M200   | 20000 |                 |   |             |   |   |   |   |
| 1200656400   | 805006B30M300   | 30000 |                 |   |             |   |   |   |   |
| 1200656401   | 805006B30M500   | 50000 |                 |   |             |   |   |   |   |
|              |                 |       |                 |   |             |   |   |   |   |
|              |                 |       |                 |   |             |   |   |   |   |
|              |                 |       |                 |   |             |   |   |   |   |
|              |                 |       |                 |   |             |   |   |   |   |
| MOLEX P/N    |                 |       | ENGINEERING No. |   | LENGTH [mm] |   |   |   |   |
| 4P CABLE B33 |                 |       |                 |   |             |   |   |   |   |
| 1200656489   | 804006B33M003A  | 300   |                 |   |             |   |   |   |   |
| 1200656521   | 804006B33M005A  | 500   |                 |   |             |   |   |   |   |
| 1200656487   | 804006B33M010A  | 1000  |                 |   |             |   |   |   |   |
| 1200659451   | 804006B33M020   | 2000  |                 |   |             |   |   |   |   |
| 1200659596   | 804006B33M020A  | 2000  |                 |   |             |   |   |   |   |
| 1200656522   | 804006B33M030A  | 3000  |                 |   |             |   |   |   |   |
| 1200659597   | 804006B33M050A  | 5000  |                 |   |             |   |   |   |   |
| 1200657152   | 804006B33M070A  | 7000  |                 |   |             |   |   |   |   |
| 1200656488   | 804006B33M100A  | 10000 |                 |   |             |   |   |   |   |
| 1200656614   | 804006B33M150A  | 15000 |                 |   |             |   |   |   |   |
| 1200657156   | 804006B33M200A  | 20000 |                 |   |             |   |   |   |   |
| 1200657154   | 804006B33M300A  | 30000 |                 |   |             |   |   |   |   |
| 5P CABLE B33 |                 |       |                 |   |             |   |   |   |   |
| 1200657186   | 805006B33M005A  | 500   |                 |   |             |   |   |   |   |
| 1200656673   | 805006B33M010A  | 1000  |                 |   |             |   |   |   |   |
| 1200659452   | 805006B33M020   | 2000  |                 |   |             |   |   |   |   |
| 1200656674   | 805006B33M020A  | 2000  |                 |   |             |   |   |   |   |
| 1200656675   | 805006B33M030A  | 3000  |                 |   |             |   |   |   |   |
| 1200656676   | 805006B33M050A  | 5000  |                 |   |             |   |   |   |   |
| 1200656677   | 805006B33M100A  | 10000 |                 |   |             |   |   |   |   |
| 1200656678   | 805006B33M150A  | 15000 |                 |   |             |   |   |   |   |
| 1200657187   | 805006B33M200A  | 20000 |                 |   |             |   |   |   |   |
| 1200657188   | 805006B33M300A  | 30000 |                 |   |             |   |   |   |   |
| 1200657189   | 805006B33M400A  | 40000 |                 |   |             |   |   |   |   |
| 1200657190   | 805006B33M500A  | 50000 |                 |   |             |   |   |   |   |
| 4P CABLE B36 |                 |       |                 |   |             |   |   |   |   |
| 1200656855   | 804006B36M0207Y | 2000  |                 |   |             |   |   |   |   |
| 1200657220   | 804006B36M0507Y | 5000  |                 |   |             |   |   |   |   |
| 1200657221   | 804006B36M0807Y | 8000  |                 |   |             |   |   |   |   |
| 1200657222   | 804006B36M1007Y | 10000 |                 |   |             |   |   |   |   |
| 1200657223   | 804006B36M1507Y | 15000 |                 |   |             |   |   |   |   |
| 1200657224   | 804006B36M2007Y | 20000 |                 |   |             |   |   |   |   |
| 5P CABLE B36 |                 |       |                 |   |             |   |   |   |   |
| 1200656552   | 805006B36M1007Y | 10000 |                 |   |             |   |   |   |   |
| MOLEX P/N    |                 |       | ENGINEERING No. |   | LENGTH [mm] |   |   |   |   |
| 8P CABLE B41 |                 |       |                 |   |             |   |   |   |   |
| 1200659680   | 808006B41M003   | 300   |                 |   |             |   |   |   |   |
| 1200652302   | 808006B41M010   | 1000  |                 |   |             |   |   |   |   |
| 1200652383   | 808006B41M010R  | 1000  |                 |   |             |   |   |   |   |
| 1200659453   | 808006B41M020   | 2000  |                 |   |             |   |   |   |   |
| 1200652384   | 808006B41M020R  | 2000  |                 |   |             |   |   |   |   |
| 1200659776   | 808006B41M030   | 3000  |                 |   |             |   |   |   |   |
| 1200652385   | 808006B41M030R  | 3000  |                 |   |             |   |   |   |   |
| 1200656003   | 808006B41M040   | 4000  |                 |   |             |   |   |   |   |
| 1200652386   | 808006B41M040R  | 4000  |                 |   |             |   |   |   |   |
| 1200652304   | 808006B41M050   | 5000  |                 |   |             |   |   |   |   |
| 1200652387   | 808006B41M050R  | 5000  |                 |   |             |   |   |   |   |
| 1200652305   | 808006B41M100   | 10000 |                 |   |             |   |   |   |   |
| 5P CABLE B42 |                 |       |                 |   |             |   |   |   |   |
| 1200652279   | 805006B42M010   | 1000  |                 |   |             |   |   |   |   |
| 1200652280   | 805006B42M020   | 2000  |                 |   |             |   |   |   |   |
| 1200652281   | 805006B42M050   | 5000  |                 |   |             |   |   |   |   |
| 1200652282   | 805006B42M100   | 10000 |                 |   |             |   |   |   |   |
| 1200659546   | 805006B42M200   | 20000 |                 |   |             |   |   |   |   |
| 1200659547   | 805006B42M300   | 30000 |                 |   |             |   |   |   |   |
| 4P CABLE B55 |                 |       |                 |   |             |   |   |   |   |
| 1200656634   | 804006B55M010Y  | 1000  |                 |   |             |   |   |   |   |
| 1200656635   | 804006B55M020Y  | 2000  |                 |   |             |   |   |   |   |
| 1200656636   | 804006B55M030Y  | 3000  |                 |   |             |   |   |   |   |
| 1200659943   | 804006B55M050Y  | 5000  |                 |   |             |   |   |   |   |
| 1200659944   | 804006B55M100Y  | 10000 |                 |   |             |   |   |   |   |
| 1200656637   | 804006B55M150Y  | 15000 |                 |   |             |   |   |   |   |
| 5P CABLE B55 |                 |       |                 |   |             |   |   |   |   |
| 1200656680   | 805006B55M010Y  | 1000  |                 |   |             |   |   |   |   |
| 1200656681   | 805006B55M020Y  | 2000  |                 |   |             |   |   |   |   |
| 1200656682   | 805006B55M030Y  | 3000  |                 |   |             |   |   |   |   |
| 1200659945   | 805006B55M050Y  | 5000  |                 |   |             |   |   |   |   |
| 1200659946   | 805006B55M100Y  | 10000 |                 |   |             |   |   |   |   |
| 1200659947   | 805006B55M150Y  | 15000 |                 |   |             |   |   |   |   |

|                                                                                                                                                                                                                                                                                                                      |                                                      |                                                                                                                                               |                                |                                                                                                                                                                                       |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|--|--|---------------------------------------------------------------------------------------------------|--|----------------|----------|--------------|--|
| FUNCTIONAL SYMBOLS                                                                                                                                                                                                                                                                                                   |                                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                |                                                                                                                                                                                       |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
| <div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div>= 0</div></div> <div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div>= 0</div></div> <div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div>= 0</div></div> | DIMENSION UNITS                                      | SCALE                                                                                                                                         | CURRENT REV DESC: NEW PN ADDED |                                                                                                                                                                                       |        |  |  |  |  | <div>mo</div> <div>CSE M12 XP AC MA STR WSOR XM SE UNSH</div> <div>PRODUCT CUSTOMER DRAWING</div> |  |                |          |              |  |
|                                                                                                                                                                                                                                                                                                                      | mm                                                   |                                                                                                                                               | 1:1                            | EC NO: 704766<br>DRWN: ARPITT 2022/04/27<br>CHK'D: RSILLER 2022/04/28<br>APPR: RSILLER 2022/04/28<br><br>INITIAL REVISION:<br>DRWN: MDHARMANTI 2021/10/01<br>APPR: RSILLER 2021/10/06 |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
|                                                                                                                                                                                                                                                                                                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)                |                                                                                                                                               |                                |                                                                                                                                                                                       |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
|                                                                                                                                                                                                                                                                                                                      | ANGULAR TOL                                          | ± 1.0 °                                                                                                                                       |                                |                                                                                                                                                                                       |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
|                                                                                                                                                                                                                                                                                                                      | 4 PLACES                                             | ±                                                                                                                                             |                                |                                                                                                                                                                                       |        |  |  |  |  |                                                                                                   |  |                |          |              |  |
| DIVISIONAL SYMBOLS                                                                                                                                                                                                                                                                                                   | 3 PLACES                                             | ±                                                                                                                                             | 2021/10/01<br>2021/10/06       |                                                                                                                                                                                       |        |  |  |  |  | DOCUMENT NUMBER                                                                                   |  | DOC TYPE       | DOC PART | REVISION     |  |
|                                                                                                                                                                                                                                                                                                                      | 2 PLACES                                             | ± 0.05                                                                                                                                        |                                |                                                                                                                                                                                       |        |  |  |  |  | 1200659964                                                                                        |  | PSD            | 000      | A3           |  |
|                                                                                                                                                                                                                                                                                                                      | 1 PLACE                                              | ± 0.3                                                                                                                                         |                                |                                                                                                                                                                                       |        |  |  |  |  | MATERIAL NUMBER                                                                                   |  | CUSTOMER       |          | SHEET NUMBER |  |
|                                                                                                                                                                                                                                                                                                                      | 0 PLACES                                             | ± 0.5                                                                                                                                         |                                |                                                                                                                                                                                       |        |  |  |  |  | SEE PART LIST                                                                                     |  | GENERAL MARKET |          | 3 OF 3       |  |
|                                                                                                                                                                                                                                                                                                                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION         | DRAWING                                                                                                                                                                               | SERIES |  |  |  |  |                                                                                                   |  |                |          |              |  |

|                         |            |  |  |
|-------------------------|------------|--|--|
| 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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|----|---|---|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|---|---|---|---|---|---|---|---|---|