

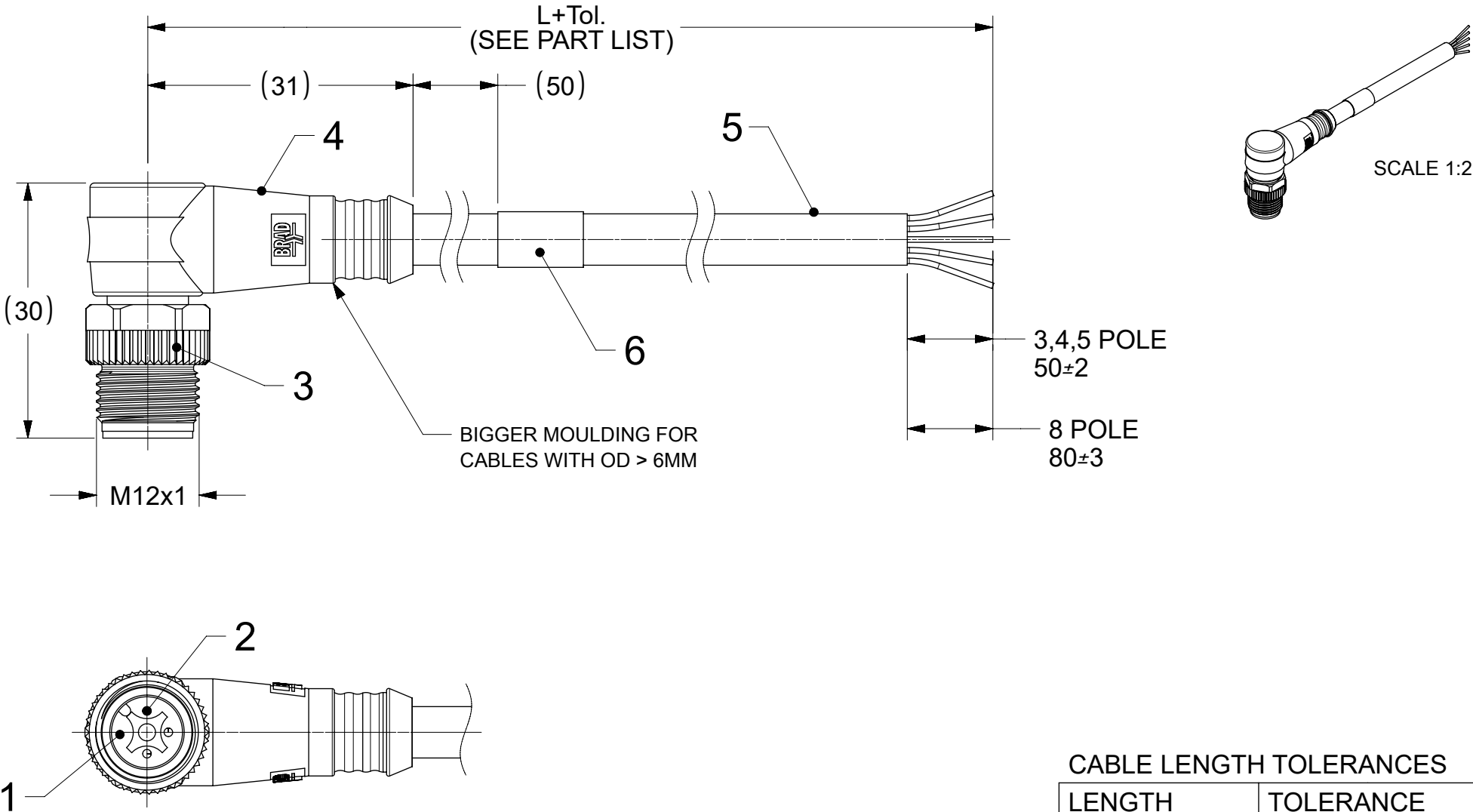
NOTES:

TEMPERATURE : SEE CABLE INFORMATION  
RANGE ON PAGE 2

RATED VOLTAGE: 3, 4 contacts : 250V  
5 contacts : 60V  
8 contacts : 30V

RATED CURRENT: 3, 4, 5 contacts : 4A  
8 contacts : 2A

INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.  
MATING CYCLES: MIN. 100  
ENVIRONMENTAL:PROTECTION: IP67 IN MATED  
AND LOCKED POSITION



CABLE LENGTH TOLERANCES

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

MATING FACE VIEW

| 3-WIRE                                                                                                                                                                                                        | 4-WIRE              | 5-WIRE              | 5-WIRE    | 8-WIRE    |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|-----------|-----------|---|---|---|------|---|-------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|------|---|-------|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|------|---|-------|---|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|------|---|-------|---|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|-------|---|-------|---|-------|---|--------|---|------|---|------|---|------|---|-----|
|                                                                                                                                                                                                               |                     |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| B30 CABLE                                                                                                                                                                                                     | B30, B33, B55 CABLE | B30, B33, B55 CABLE | B42 CABLE | B41 CABLE |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| <table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>-</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>-</td></tr></table> | PIN                 | WIRE                | 1         | BROWN     | 2 | - | 3 | BLUE | 4 | BLACK | 5 | - | <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>-</td></tr></table> | PIN | WIRE | 1 | BROWN | 2 | WHITE | 3 | BLUE | 4 | BLACK | 5 | - | <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</td></tr></table> | PIN | WIRE | 1 | BROWN | 2 | WHITE | 3 | BLUE | 4 | BLACK | 5 | GREY | <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>GREEN/YELLOW</td></tr></table> | PIN | WIRE | 1 | BROWN | 2 | WHITE | 3 | BLUE | 4 | BLACK | 5 | 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               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2                                                                                                                                                                                                             | -                   |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3                                                                                                                                                                                                             | BLUE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4                                                                                                                                                                                                             | BLACK               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5                                                                                                                                                                                                             | -                   |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN                                                                                                                                                                                                           | WIRE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1                                                                                                                                                                                                             | BROWN               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2                                                                                                                                                                                                             | WHITE               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3                                                                                                                                                                                                             | BLUE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4                                                                                                                                                                                                             | BLACK               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5                                                                                                                                                                                                             | -                   |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN                                                                                                                                                                                                           | WIRE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1                                                                                                                                                                                                             | BROWN               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2                                                                                                                                                                                                             | WHITE               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3                                                                                                                                                                                                             | BLUE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4                                                                                                                                                                                                             | BLACK               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5                                                                                                                                                                                                             | GREY                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN                                                                                                                                                                                                           | WIRE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1                                                                                                                                                                                                             | BROWN               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2                                                                                                                                                                                                             | WHITE               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3                                                                                                                                                                                                             | BLUE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4                                                                                                                                                                                                             | BLACK               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5                                                                                                                                                                                                             | GREEN/YELLOW        |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| PIN                                                                                                                                                                                                           | WIRE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 1                                                                                                                                                                                                             | WHITE               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 2                                                                                                                                                                                                             | BROWN               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 3                                                                                                                                                                                                             | GREEN               |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 4                                                                                                                                                                                                             | YELLOW              |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 5                                                                                                                                                                                                             | GREY                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 6                                                                                                                                                                                                             | PINK                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 7                                                                                                                                                                                                             | BLUE                |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |
| 8                                                                                                                                                                                                             | RED                 |                     |           |           |   |   |   |      |   |       |   |   |                                                                                                                                                                                                                   |     |      |   |       |   |       |   |      |   |       |   |   |                                                                                                                                                                                                                      |     |      |   |       |   |       |   |      |   |       |   |      |                                                                                                                                                                                                                              |     |      |   |       |   |       |   |      |   |       |   |              |                                                                                                                                                                                                                                                                                                                       |     |      |   |       |   |       |   |       |   |        |   |      |   |      |   |      |   |     |

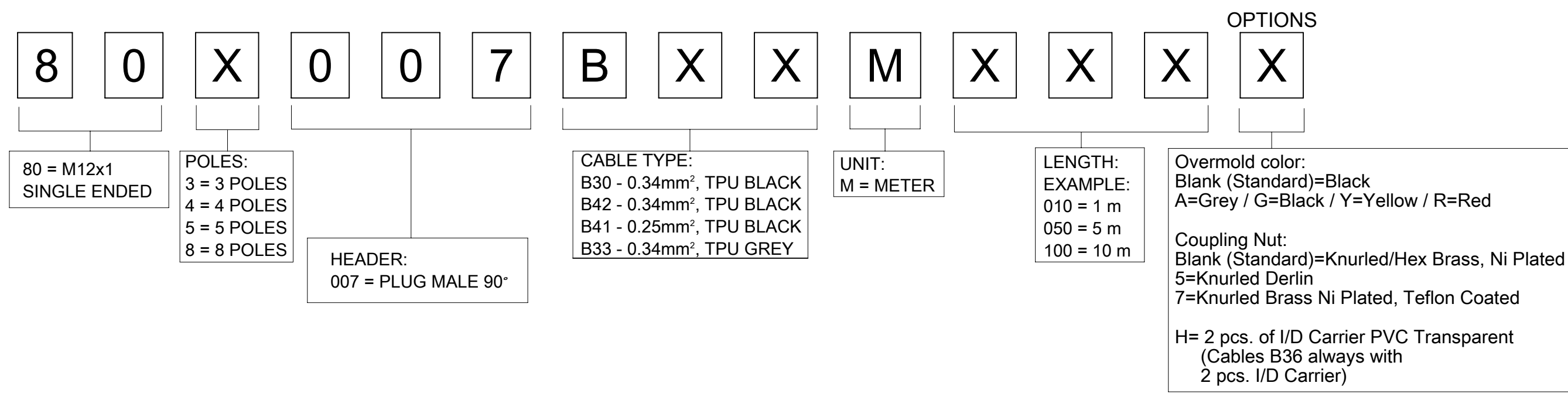
CODING REQUIRED TO  
IEC 61076-2-101

BOM

|      |         |                   |                       |                     |
|------|---------|-------------------|-----------------------|---------------------|
| 6    | 1       | LABEL             | VINYL                 | YELLOW              |
| 5    | -       | CABLE             | SEE CABLE INFORMATION | -                   |
| 4    | -       | OVERMOULD         | TPU                   | BLACK               |
| 3    | 1       | COUPLING NUT MALE | BRASS                 | Ni-PLATED           |
| 2    | 3/4/5/8 | CONTACT MALE      | BRASS                 | GOLD OVER Ni-PLATED |
| 1    | 1       | INSERT MALE       | PA                    | BLACK               |
| ITEM | QTY.    | DESCRIPTION       | MATERIAL              | FINISH/COLOR        |

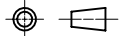
|                                                                                                                                               |  |        |  |                                                                                                                 |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|------------------|--|----------------------------------|----------|----------------------------|--|------------------------|--|
| 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: CHANGED<br>DIMENSIONINGSTYLE OF OVERALL LENGTH TO<br>END TO END                               |  |                                   |  | <b>molex</b>     |  |                                  |          |                            |  |                        |  |
| mm                                                                                                                                            |  | 1.5:1  |  |                                                                                                                 |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | CSE M12 XP AC MA RA XM<br>SE UNSH                                                                               |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
| ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |  |                                                                                                                 |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
| 4 PLACES                                                                                                                                      |  | ±      |  | EC NO: 789428                                                                                                   |  | PRODUCT CUSTOMER DRAWING          |  |                  |  |                                  |          |                            |  |                        |  |
| 3 PLACES                                                                                                                                      |  | ±      |  | DRWN: AKABADI 2023/02/27                                                                                        |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
| 2 PLACES                                                                                                                                      |  | ± 0.05 |  | CHK'D: RSILLER 2024/07/02                                                                                       |  |                                   |  |                  |  |                                  |          |                            |  |                        |  |
| 1 PLACE                                                                                                                                       |  | ± 0.3  |  | APPR: RSILLER 2024/07/02                                                                                        |  | DOCUMENT NUMBER<br><br>1200652283 |  |                  |  | DOC TYPE                         | DOC PART | REVISION                   |  |                        |  |
| 0 PLACES                                                                                                                                      |  | ± 0.5  |  | INITIAL REVISION:<br>DRWN: SSM 2021/12/07<br>APPR: RSILLER 2022/02/28                                           |  |                                   |  |                  |  | PSD                              | 000      | B                          |  |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>A3-SIZE                |  | SERIES<br>120065 |  | MATERIAL NUMBER<br>SEE PART LIST |          | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>1 OF 3 |  |

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



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                             | OTHER                |
|------------|--------------|---------------------|--------------|----------|-----|--------------------------------|---------------------------------|----------------------------------------|----------------------|
| B30        | 3 / 4 / 5    | 0.34mm <sup>2</sup> | TPU Black    | UL 21215 | YES | -40°C to +90°C<br>5xO.D.       | -25°C to +80°C<br>7.5xO.D.      | up to 5 000 000 cycles<br>at temp 20°C | WELD SLAG RESISTANCE |
| B41        | 8            | 0.25mm <sup>2</sup> | TPU Black    |          |     |                                |                                 |                                        |                      |
| B42        | 5            | 0.34mm <sup>2</sup> | TPU Black    |          |     |                                |                                 |                                        |                      |
| B33        | 4 / 5        | 0.34mm <sup>2</sup> | TPU Gray     |          |     |                                |                                 |                                        |                      |
| B55        | 4 / 5        | 0.34mm <sup>2</sup> | TPU Yellow   |          |     |                                |                                 |                                        |                      |

| FUNCTIONAL SYMBOLS                                                                        | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         | <div>molex</div> <div>CSE M12 XP AC MA RA XM<br/>SE UNSH</div>                                     |                 |                |              |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------|-----------------|----------------|--------------|
|                                                                                           | FUNCTIONAL SYMBOLS                                                                                                                            | SCALE   |                                                                                                    |                 |                |              |
|  = 0 | DIMENSION UNITS                                                                                                                               | 1:1     | CURRENT REV DESC: CHANGED<br>DIMENSIONINGSTYLE OF OVERALL LENGTH TO<br>END TO END                  |                 |                |              |
|  = 0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |         |                                                                                                    |                 |                |              |
|  = 0 | ANGULAR TOL ± 1.0 °                                                                                                                           |         | EC NO: 789428<br>DRWN: AKABADI 2023/02/27<br>CHK'D: RSILLER 2024/07/02<br>APPR: RSILLER 2024/07/02 |                 |                |              |
| DIVISIONAL SYMBOLS                                                                        | 4 PLACES ±                                                                                                                                    |         |                                                                                                    |                 |                |              |
|                                                                                           | 3 PLACES ±                                                                                                                                    |         | INITIAL REVISION:<br>DRWN: SSM 2021/12/07<br>APPR: RSILLER 2022/02/28                              |                 |                |              |
|                                                                                           | 2 PLACES ± 0.05                                                                                                                               |         |                                                                                                    |                 |                |              |
|                                                                                           | 1 PLACE ± 0.3                                                                                                                                 |         | DOCUMENT NUMBER<br>1200652283                                                                      |                 |                |              |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                | 0 PLACES ± 0.5                                                                                                                                |         |                                                                                                    |                 |                |              |
|                                                                                           | THIRD ANGLE PROJECTION                                                                                                                        | DRAWING | SERIES                                                                                             | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|                                                                                           |                                                          | A3-SIZE | 120065                                                                                             | SEE PART LIST   | GENERAL MARKET | 2 OF 3       |

## PART LIST

| MOLEX PN     | ENGINEERING No | L [mm] |
|--------------|----------------|--------|
| 3P CABLE B30 |                |        |
| 1200652283   | 803007B30M010  | 1000   |
| 1200652284   | 803007B30M020  | 2000   |
| 1200652285   | 803007B30M050  | 5000   |
| 1200652286   | 803007B30M100  | 10000  |
| 4P CABLE B30 |                |        |
| 1200652287   | 804007B30M010  | 1000   |
| 1200652288   | 804007B30M020  | 2000   |
| 1200652289   | 804007B30M050  | 5000   |
| 1200652290   | 804007B30M100  | 10000  |
| 1200659586   | 804007B30M200  | 20000  |
| 5P CABLE B30 |                |        |
| 1200659530   | 805007B30M010  | 1000   |
| 1200659531   | 805007B30M020  | 2000   |
| 1200659532   | 805007B30M050  | 5000   |
| 1200659533   | 805007B30M100  | 10000  |
| 1200656402   | 805007B30M150  | 15000  |
| 1200656403   | 805007B30M200  | 20000  |
| 1200656404   | 805007B30M300  | 30000  |
| 1200656405   | 805007B30M500  | 50000  |

| MOLEX PN     | ENGINEERING No | L [mm] |
|--------------|----------------|--------|
| 8P CABLE B41 |                |        |
| 1200652314   | 808007B41M010  | 1000   |
| 1200652315   | 808007B41M020  | 2000   |
| 1200652316   | 808007B41M050  | 5000   |
| 1200652317   | 808007B41M100  | 10000  |
| 5P CABLE B42 |                |        |
| 1200652291   | 805007B42M010  | 1000   |
| 1200652292   | 805007B42M020  | 2000   |
| 1200652293   | 805007B42M050  | 5000   |
| 1200652294   | 805007B42M100  | 10000  |
| 1200659545   | 805007B42M200  | 20000  |
| 4P CABLE B33 |                |        |
| 1200657162   | 804007B33M005A | 500    |
| 1200656615   | 804007B33M010A | 1000   |
| 1200656616   | 804007B33M020A | 2000   |
| 1200657163   | 804007B33M030A | 3000   |
| 1200656617   | 804007B33M050A | 5000   |
| 1200656618   | 804007B33M100A | 10000  |
| 1200656619   | 804007B33M200A | 20000  |
| 5P CABLE B33 |                |        |
| 1200657192   | 805007B33M005A | 500    |
| 1200656683   | 805007B33M010A | 1000   |
| 1200656684   | 805007B33M020A | 2000   |
| 1200657193   | 805007B33M030A | 3000   |
| 1200656685   | 805007B33M050A | 5000   |
| 1200656686   | 805007B33M100A | 10000  |
| 1200656687   | 805007B33M200A | 20000  |
| 1200657194   | 805007B33M300A | 30000  |
| 1200657195   | 805007B33M400A | 40000  |
| 1200657196   | 805007B33M500A | 50000  |

| MOLEX PN     | ENGINEERING No | L [mm] |
|--------------|----------------|--------|
| 4P CABLE B55 |                |        |
| 1200656638   | 804007B55M010Y | 1000   |
| 1200656639   | 804007B55M020Y | 2000   |
| 1200656640   | 804007B55M050Y | 5000   |
| 1200656641   | 804007B55M100Y | 10000  |
| 1200656642   | 804007B55M200Y | 20000  |
| 5P CABLE B55 |                |        |
| 1200656688   | 805007B55M010Y | 1000   |
| 1200656689   | 805007B55M020Y | 2000   |
| 1200656690   | 805007B55M050Y | 5000   |
| 1200656691   | 805007B55M100Y | 10000  |
| 1200656692   | 805007B55M200Y | 20000  |

|                    |                                                                                                                                               |  |        |                                                         |                                                                             |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|---------------------------------------------------------|-----------------------------------------------------------------------------|--|--|--|---------|-----------------------------------------------------------------------------------------------------------|--------|---------|------------|--------|---------------|-----------------|----------------|----------|----------|--------------|
| 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: CHANGED DIMENSIONINGSTYLE OF OVERALL LENGTH TO END TO END |  |  |  |         | <div>molex</div> <div>CSE M12 XP AC MA RA XM<br/>SE UNSH</div>                                            |        |         |            |        |               |                 |                |          |          |              |
|                    | mm                                                                                                                                            |  | 1:1    |                                                         |                                                                             |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |                                                         |                                                                             |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|                    | ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |                                                         |                                                                             |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|                    | 4 PLACES                                                                                                                                      |  | ±      |                                                         | EC NO: 789428                                                               |  |  |  |         | <div>DRWN: AKABADI2023/02/27</div> <div>CHK'D: RSILLER2024/07/02</div> <div>APPR: RSILLER2024/07/02</div> |        |         |            |        |               |                 |                |          |          |              |
|                    | 3 PLACES                                                                                                                                      |  | ±      |                                                         | INITIAL REVISION:                                                           |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|                    | 2 PLACES                                                                                                                                      |  | ± 0.05 |                                                         | DRWN: SSM2021/12/07                                                         |  |  |  |         |                                                                                                           |        |         |            |        |               |                 |                |          |          |              |
|                    | 1 PLACE                                                                                                                                       |  | ± 0.3  |                                                         | APPR: RSILLER2022/02/28                                                     |  |  |  |         | DOCUMENT NUMBER                                                                                           |        |         |            |        | DOC TYPE      |                 | DOC PART       |          | REVISION |              |
|                    | 0 PLACES                                                                                                                                      |  | ± 0.5  |                                                         | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                        |  |  |  |         | THIRD ANGLE PROJECTION                                                                                    |        | DRAWING |            | SERIES |               | MATERIAL NUMBER |                | CUSTOMER |          | SHEET NUMBER |
|                    |                                                                                                                                               |  |        | <div><div><div></div></div><div><div></div></div></div> |                                                                             |  |  |  | A3-SIZE |                                                                                                           | 120065 |         | 1200652283 |        | PSD           |                 | 000            |          | B        |              |
|                    |                                                                                                                                               |  |        |                                                         |                                                                             |  |  |  |         |                                                                                                           |        |         |            |        | SEE PART LIST |                 | GENERAL MARKET |          | 3 OF 3   |              |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/07/02 | 09:17:35 |
|-----------------|----|--------------|------------|----------|