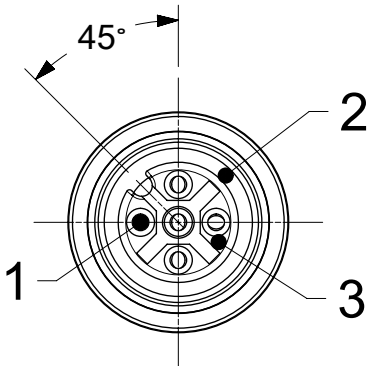


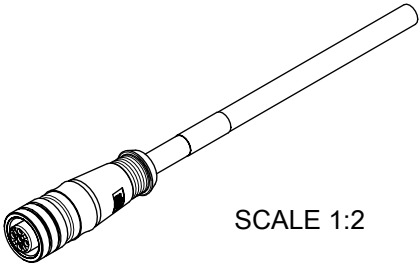
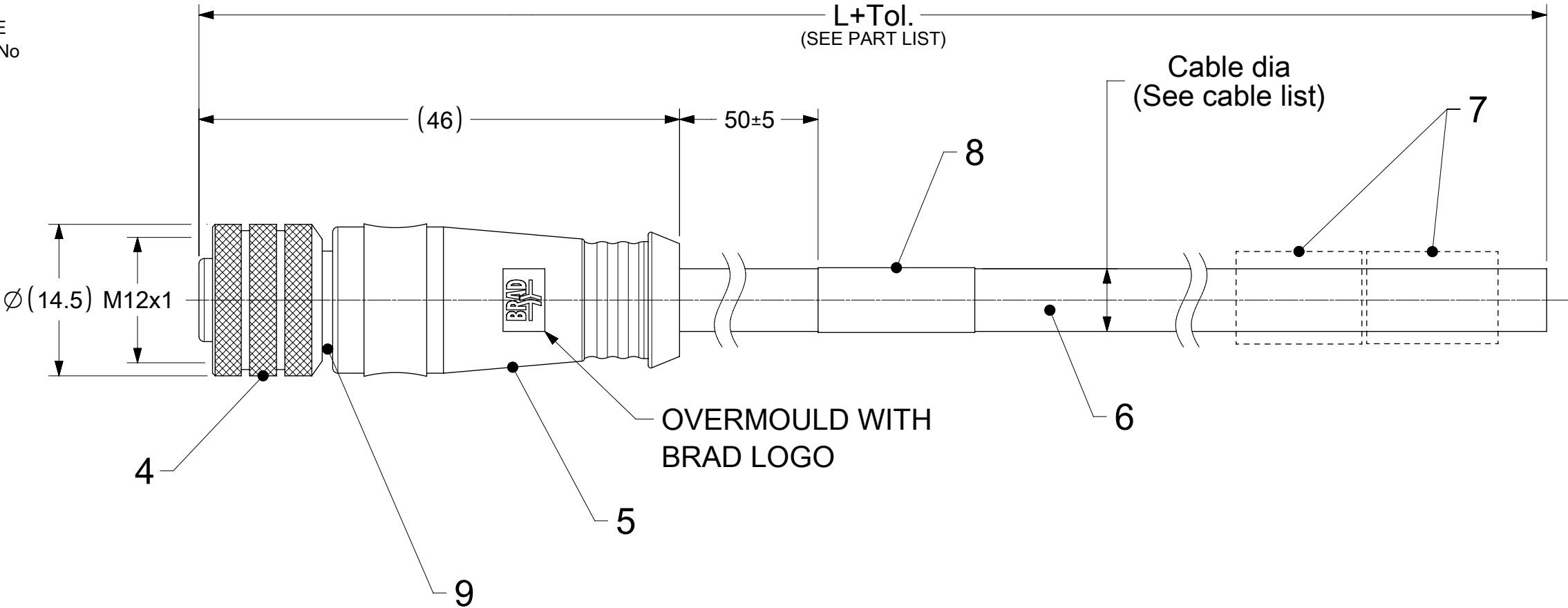
ELECTRICAL DATA:

VOLTAGE RATING: 3/4P 250V  
VOLTAGE RATING: 5P 60V  
AMPERAGE RATING: 3/4/5P 4A  
INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.  
MATING CYCLES: MIN. 100  
ENVIRONMENTAL:  
PROTECTION: IP67  
OPERATING TEMPERATURE: -25°C TO +85°C

FOR CABLES lxx USE PRINTING ON THE CABLE WITH THE SAME MEASUREMENT LIKE FOR LABEL – ENGINEERING No



VIEW FROM FRONT SIDE



VIEWS FROM THE FRONT SIDE

| 3 POLE |       | 4 POLE |       | 5 POLE |             |
|--------|-------|--------|-------|--------|-------------|
|        |       |        |       |        |             |
| PIN    | COLOR | PIN    | COLOR | PIN    | COLOR       |
| 1      | BN    | 1      | BN    | 1      | BN          |
| 2      | ---   | 2      | WH    | 2      | WH          |
| 3      | BU    | 3      | BU    | 3      | BU          |
| 4      | BK    | 4      | BK    | 4      | BK          |
|        |       |        |       | 5      | GY or GN-YE |

CABLE LENGTH TOLERANCES

| OVER [mm] | UP TO AND INCLUDING [mm] | TOLERANCES [mm]        |
|-----------|--------------------------|------------------------|
| 0         | 305                      | +19                    |
| 305       | 915                      | +45                    |
| 915       | 1830                     | +56                    |
| 1830      | 3660                     | +89                    |
| 3660      | 7320                     | +165                   |
| 7320      | 14640                    | +317                   |
| 14640     | 30500                    | +610                   |
| 30500     | >                        | +2% of finished length |

BOM

| ITEM | QTY.  | DESCRIPTION         | MATERIAL    | FINISH/COLOR         |
|------|-------|---------------------|-------------|----------------------|
| 9    | 1     | SHEILD SLEEVE       | BRASS       | Ni-PLATED            |
| 8    | 1     | LABEL               | VINYL       | YELLOW               |
| 7    | 2     | ID-CARRIERS         | ---         | ---                  |
| 6    | -     | CABLE               | SEE SHEET 2 | SEE SHEET 2          |
| 5    | -     | OVERMOULDING        | TPU         | BLACK                |
| 4    | 1     | COUPLING NUT FEMALE | BRASS       | NICKEL               |
| 3    | 1     | INSERT FEMALE       | PUR/TPU     | BLACK                |
| 2    | 2     | O-RING              | FPM         | RED                  |
| 1    | 3/4/5 | CONTACT FEMALE      | BRASS       | SELECTIVE Au OVER Ni |

|                                                                                                                                               |  |        |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|-----------------------------------------------------------------------------------------------------------------|--|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|------------------------------|--|----------------------------|--|------------------------|--|
| 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: OBSOLETE PART NUMBERS<br>AS PER PCN#506884                                                    |  |                   | <div>molex</div> <div>CSE M12 XP AC FE STR<br/>XXX XM SE SHLD</div>                                                                                         |                  |  |                              |  |                            |  |                        |  |
| mm                                                                                                                                            |  | 2:1    |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | EC NO: 662770<br>DRWN: SUGEEB 2021/02/22<br>CHK'D: GGA 2021/06/02<br>APPR: GGA 2021/06/02                       |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| 3 PLACES                                                                                                                                      |  | ±      |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| 2 PLACES                                                                                                                                      |  | ± 0.05 |  | INITIAL REVISION:<br>DRWN: AKONDRACIUK 2015/09/10<br>APPR: MIWASIECZKO 2015/09/29                               |  |                   | PRODUCT CUSTOMER DRAWING<br><div>DOCUMENT NUMBER<br/>SD-120069-035</div> <div>DOC TYPE<br/>PSD</div> <div>DOC PART<br/>001</div> <div>REVISION<br/>A3</div> |                  |  |                              |  |                            |  |                        |  |
| 1 PLACE                                                                                                                                       |  | ± 0.3  |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| 0 PLACES                                                                                                                                      |  | ± 0.5  |  |                                                                                                                 |  |                   |                                                                                                                                                             |                  |  |                              |  |                            |  |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION<br> |  | DRAWING<br>B-SIZE |                                                                                                                                                             | SERIES<br>120069 |  | MATERIAL NUMBER<br>SEE TABLE |  | CUSTOMER<br>GENERAL MARKET |  | SHEET NUMBER<br>1 OF 2 |  |

10987654321

ENGINEERING MATRIX

80XS00XXXXXX

OPTIONAL

88=Micro-Change  
M12x1  
Single ended

Poles:  
3=3  
4=4  
5=5

Shielded Female Straight

Cable type: See table

Units : Meter

Length  
examples:  
005=0.5  
010=1  
100=10

Overmold color:  
Blank=BK TPU  
Blank=YE for cables A09, S19, S20, S26  
Blank=YE TPE-E for cables K03, K05  
A=GY | G= BK | Y= YE

Coupling Nut:  
Blank (Standard)=Knurled Brass Ni Plated  
1=Hexagonal Stainless steel

H= 2pcs. of I/D Carrier

Cables lxx & P82 always with 2 pcs. of  
I/D Carrier even if no H in Engineering No.

CABLE LIST

| CABLE TYPE | CABLE O.D.     | NO. OF WIRES | CROSS SECTION | CABLE JACKET   | UL           | CSA                   | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN | SHIELD |
|------------|----------------|--------------|---------------|----------------|--------------|-----------------------|--------------------------------|---------------------------------|------------|--------|
| I26        | 6.2mm          | 5            | 0.34mm²       | PVC CEI GREY   | -            | -                     | -30°C to +70°C                 | -5°C to +70°C                   | -          | YES    |
| S20        | 6.3/6.3/6.5 mm | 3 / 4 / 5    | 0.34mm²       | PVC YELLOW     | UL 2661/1731 | C22.2 II A 105°C/300V | -30°C to +105°C                | -                               | -          | YES    |
| P20        | 5.2/5.5/6.0 mm | 3 / 4 / 5    | 0.34mm²       | PUR BLACK LSOH | -            | -                     | -40°C to +90°C                 | -25°C to +90°C                  | -          | YES    |
| S26        | 6.2 mm         | 5            | 0.34mm²       | PVC YELLOW     | UL 2661/1731 | C22.2 II A 105°C/300V | -30°C to +105°C                | -                               | -          | YES    |

PART LIST

| No. | Part No.   | Engineering No. | Cable Length | No. | Part No.   | Engineering No. | Cable Length |
|-----|------------|-----------------|--------------|-----|------------|-----------------|--------------|
| 1   | 1200100084 | 803S00P20M030   | 3000         | 21  | 1200699460 | 804S00S20M040   | 4000         |
| 2   | 1200100127 | 803S00S20M100   | 10000        | 22  | 1200699499 | 804S00S20M050   | 5000         |
| 3   | 1200698007 | 803S00P20M020   | 2000         | 23  | 1200699626 | 804S00P20M300   | 30000        |
| 4   | 1200698008 | 803S00P20M050   | 5000         | 24  | 1200100014 | 805S00P20M100   | 10000        |
| 5   | 1200698009 | 803S00P20M100   | 10000        | 25  | 1200100048 | 805S00P20M050   | 5000         |
| 6   | 1200698426 | 803S00S20M200   | 20000        | 26  | 1200100081 | 805S00P20M150   | 15000        |
| 7   | 1200100007 | 804S00P20M020   | 2000         | 27  | 1200698002 | 805S00P20M015   | 1500         |
| 8   | 1200100008 | 804S00P20M050   | 5000         | 28  | 1200698055 | 805S00P20M020   | 2000         |
| 9   | 1200100009 | 804S00P20M250   | 25000        | 29  | 1200698059 | 805S00S26M006   | 600          |
| 10  | 1200100043 | 804S00P20M100   | 10000        | 30  | 1200698125 | 805S00S26M050   | 5000         |
| 11  | 1200100096 | 804S00P20M070   | 7000         | 31  | 1200698126 | 805S00S26M150   | 15000        |
| 12  | 1200698013 | 804S00P20M040   | 4000         | 32  | 1200698145 | 805S00P20M020G  | 2000         |
| 13  | 1200698014 | 804S00P20M150   | 15000        | 33  | 1200698158 | 805S00I26M100   | 10000        |
| 14  | 1200698015 | 804S00S20M070   | 7000         | 34  | 1200698159 | 805S00I26M250   | 25000        |
| 15  | 1200698053 | 804S00P20M200   | 20000        | 35  | 1200698398 | 805S00P20M010   | 1000         |
| 16  | 1200698070 | 804S00P20M0501  | 5000         | 36  | 1200698484 | 805S00P20M100H  | 10000        |
| 17  | 1200698071 | 804S00P20M400   | 40000        | 37  | 1200698753 | 805S00P20M0501  | 5000         |
| 18  | 1200698156 | 804S00S20M0501  | 5000         | 38  | 1200698754 | 805S00P20M1501  | 15000        |
| 19  | 1200698348 | 804S00P20M060   | 6000         | 39  | 1200699414 | 805S00P20M600   | 60000        |
| 20  | 1200698445 | 804S00P20M010   | 1000         | 40  | 1200699416 | 805S00P20M030   | 3000         |

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|                                                            |        |                                                           |                                                                                                         |                                        |        |                 |          |          |          |
|------------------------------------------------------------|--------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------|--------|-----------------|----------|----------|----------|
| DIMENSION UNITS                                            | SCALE  | CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884 | <div>molex</div> <div>CSE M12 XP AC FE STR<br/>XXX XM SE SHLD</div> <div>PRODUCT CUSTOMER DRAWING</div> |                                        |        |                 |          |          |          |
| mm                                                         | 1:1    |                                                           |                                                                                                         |                                        |        |                 |          |          |          |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |                                                           |                                                                                                         |                                        |        |                 |          |          |          |
| ANGULAR TOL ± 1.0 °                                        |        |                                                           |                                                                                                         |                                        |        |                 |          |          |          |
| 4 PLACES                                                   | ±      |                                                           | EC NO: 662770<br>DRWN: SUGEEB<br>CHK'D: GGA<br>APPR: GGA                                                | 2021/02/22<br>2021/06/02<br>2021/06/02 |        |                 |          |          |          |
| 3 PLACES                                                   | ±      | INITIAL REVISION:                                         |                                                                                                         |                                        |        |                 |          |          |          |
| 2 PLACES                                                   | ± 0.05 | DRWN: AKONDRACIUK<br>APPR: MIWASIECZKO                    |                                                                                                         |                                        |        |                 |          |          |          |
| 1 PLACE                                                    | ± 0.3  | 2015/09/10<br>2015/09/29                                  |                                                                                                         |                                        |        |                 |          |          |          |
| 0 PLACES                                                   | ± 0.5  | THIRD ANGLE PROJECTION                                    |                                                                                                         | DRAWING                                | SERIES | DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                                                           |                                                                                                         | B-SIZE                                 | 120069 | SD-120069-035   | PSD      | 001      | A3       |

DOCUMENT STATUS

P1

RELEASE DATE

2021/06/02 05:44:57

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