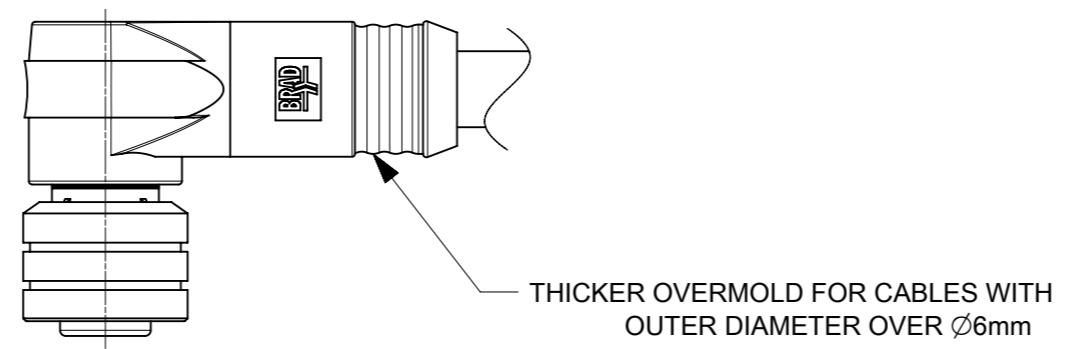
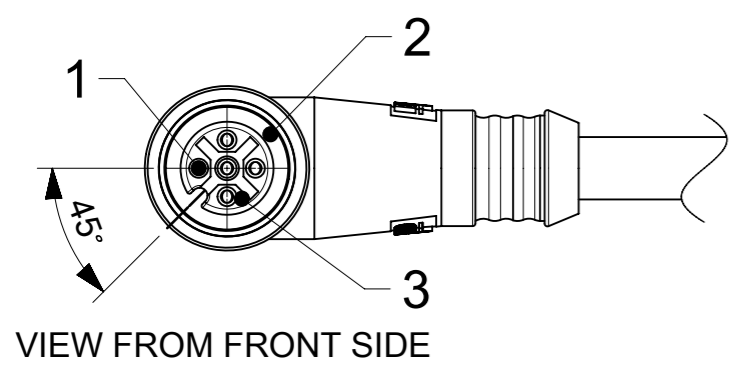
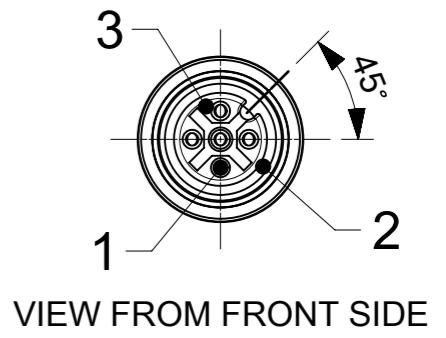
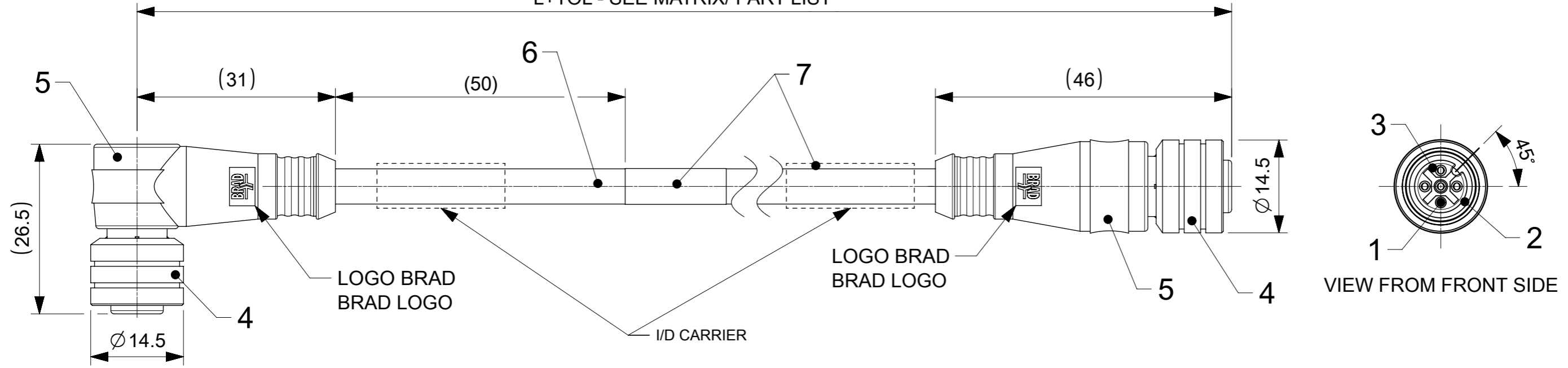


L+TOL - SEE MATRIX/ PART LIST



NOTES :

RATED VOLTAGE: 3, 4 contacts 250V  
 5 contacts 60V  
 8 contacts 30V  
 RATED CURRENT: 3, 4, 5 contacts 4A  
 8 contacts 2A  
 PROTECTION CLASS: IP 67  
 TEMPERATURE: -25°C / +85°C  
 INSULATION RESISTANCE : 10<sup>8</sup> Ω min

VIEW FROM THE FRONT SIDE

| 3 POLE |       | 4 POLE |       | 5 POLE |             | 8 POLE |       |
|--------|-------|--------|-------|--------|-------------|--------|-------|
|        |       |        |       |        |             |        |       |
| PIN    | COLOR | PIN    | COLOR | PIN    | COLOR       | PIN    | COLOR |
| 1      | BN    | 1      | BN    | 1      | BN          | 1      | WH    |
| 2      | ---   | 2      | WH    | 2      | WH          | 2      | BN    |
| 3      | BU    | 3      | BU    | 3      | BU          | 3      | GN    |
| 4      | BK    | 4      | BK    | 4      | BK          | 4      | YE    |
|        |       |        |       | 5      | GY or GN-YE | 5      | GY    |
|        |       |        |       |        |             | 6      | PK    |
|        |       |        |       |        |             | 7      | BU    |
|        |       |        |       |        |             | 8      | RD    |

BOM

| ITEM | QTY. | DESCRIPTION             | MATERIAL    | FINISH/COLOR         |
|------|------|-------------------------|-------------|----------------------|
| 7    | 1    | LABEL                   | VINYL       | YELLOW               |
| -    | -    | PRINTING FOR CABLES lxx | ---         | ---                  |
| 6    | -    | CABLE                   | SEE SHEET 2 | SEE SHEET 2          |
| 5    | -    | OVERMOULDING            | TPU         | BLACK                |
| 4    | 2    | COUPLING NUT FEMALE     | BRASS       | NICKEL               |
| 3    | 2    | INSERT FEMALE           | PUR         | BLACK                |
| 2    | 2    | O-RING                  | FPM         | RED                  |
| 1    | 4    | CONTACT FEMALE          | BRASS       | SELECTIVE Au OVER Ni |

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DIMENSION UNITS: mm SCALE: 1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED):

ANGULAR TOL ± 1.0°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120066

MATERIAL NUMBER: SEE SHEET 2

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 2

CURRENT REV DESC: INITIAL RELEASE

EC NO: 622690

DRWN: SSM 2019/06/10

CHK'D: RSILLER 2019/08/21

APPR: RSILLER 2019/08/21

INITIAL REVISION:

DRWN: SSM 2019/06/10

APPR: RSILLER 2019/08/21

**molex**

CSE 4P 4W FE RA FE STR XMLS0

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200668482

DOC TYPE: PSD

DOC PART: 000

REVISION: A

# ENGINEERING MATRIX

8 8 X 0 1 1 X X X X X X X X X

OPTIONAL

88=Micro-Change  
M12x1  
Double ended

Poles:  
3=3  
4=4  
5=5  
8=8

Heads style:  
011=Plug Female 90° to  
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 INFORMATION

| CABLE TYPE | NO. OF WIRES  | CROSS SECTION       | CABLE JACKET    | UL             | CSA                      | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN  | SHIELD |
|------------|---------------|---------------------|-----------------|----------------|--------------------------|--------------------------------|---------------------------------|---|--------|
| I03        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PVC CEI GREY    | -              | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -   | -      |
| I20        | 3 / 4         | 0.34mm <sup>2</sup> | PVC CEI GREY    | -              | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -   | YES    |
| I26        | 5             | 0.34mm <sup>2</sup> | PVC CEI GREY    | -              | -                        | -30°C to +70°C                 | -5°C to +70°C                   | -   | YES    |
| K03        | 4             | 18AWG               | TPE YELLOW      | UL ITC or PLC  | I/II A/B 90°C/300V       | max 105°C                      | -                               | -   | -      |
| K05        | 3 / 4 / 5     | 22AWG               | TPE YELLOW      | UL ITC or PLC  | I/II A/B 90°C/300V       | max 105°C                      | -                               | -   | -      |
| P82        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PUR IRR ORANGE  | -              | -                        | -50°C to +105°C, >5xO.D.       | -40°C to +105°C, >7.5xO.D.      | -   | -      |
| S20        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PVC YELLOW      | UL 2661/1731   | C22.2 II A 105°C/300V    | -30°C to +105°C                | -                               | -   | YES    |
| E02        | 3 / 4 / 5 / 8 | 0.25mm <sup>2</sup> | PVC BLACK       | UL 2464/1729   | C22.2 I/II A/B 80°C/300V | -30°C to +80°C, 10xO.D.        | -10°C to +80°C, 15xO.D.         | -   | -      |
| E03        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PVC BLACK       | UL 2464/1729   | C22.2 I/II A/B 80°C/300V | -30°C to +80°C, 10xO.D.        | -10°C to +80°C, 15xO.D.         | -   | -      |
| H09        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PUR BLACK LS0H  | UL 21198/10493 | C22.2 I/II A/B 80°C/300V | -40°C to +80°C, 5xO.D.         | -25°C to +80°C, 10xO.D.         | 2 000 000 cycles at 20°C, Temp. range +5°C to +60°C | -      |
| P03        | 3 / 4 / 5     | 0.34mm <sup>2</sup> | PUR / PVC BLACK | -              | -                        | -30°C to +80°C, >7xO.D.        | -5°C to +80°C, >15xO.D.         | -   | -      |

## CABLE LENGTH TOLERANCES

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

|   |   |
|---|---|
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| DIMENSION UNITS<br><b>mm</b>  | SCALE<br><b>1:1</b>                     |
| CURRENT REV DESC: INITIAL RELEASE   |   |
| <b>molex</b>  |   |
| CSE 4P 4W FE RA FE STR XMLS0  |   |
| PRODUCT CUSTOMER DRAWING  |   |
| EC NO: 622690   | 2019/06/10                              |
| DRWN: SSM   | 2019/08/21                              |
| CHK'D: RSILLER  | 2019/08/21                              |
| APPR: RSILLER   | 2019/08/21                              |
| INITIAL REVISION:   |   |
| DRWN: SSM   | 2019/06/10                              |
| APPR: RSILLER   | 2019/08/21                              |
| DOCUMENT NUMBER<br><b>1200668482</b>  | DOC TYPE DOC PART REVISION<br>PSD 000 A |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | THIRD ANGLE PROJECTION                  |
| DRAWING<br><b>A3-SIZE</b>   | SERIES<br><b>120066</b>                 |
| MATERIAL NUMBER<br>SEE PART LIST  | CUSTOMER<br>GENERAL MARKET              |
| SHEET NUMBER<br><b>2 OF 2</b>   |   |

## PART LIST

| MOLEX PN   | ENGINEERING No | LENGTH [mm] |
|------------|----------------|-------------|
| 1200072484 | 884011P03M1501 | 15000       |
| 1200668482 | 884011H09M008  | 800         |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2018/10/22 | 12:08:09 |
|-----------------|----|--------------|------------|----------|