

[illegible]

CONTACTS POSITION FRONT VIEW:

ACB

FORMAT: master tb prod-A3  
REVISION: J1  
DATE: 2024/05/01

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

88X033XXXXXX

88=M12x1  
Double ended

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

Heads style:  
033=Plug Female 90°  
to Plug Male 90°

Cable type: See Table

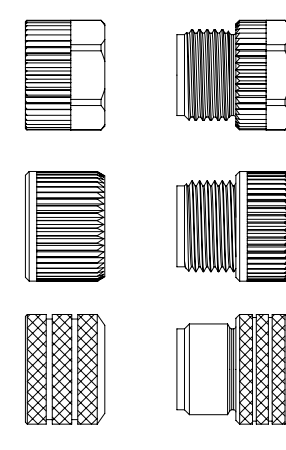
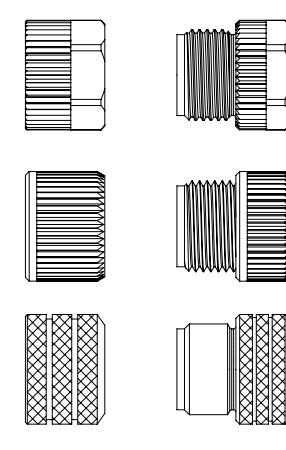
Units:  
M=Meter  
C=Centimeter

Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 unit

Overmold color:  
Blank (Standard)=Black  
A=Grey / G=Black / Y=Yellow / R=Red  
  
Coupling Nut:  
Blank (Standard)=Knurled/Hex Brass, Ni Plated  
5=Knurled Derlin  
7=Knurled Brass Ni Plated, Teflon Coated  
  
H= 2 pcs. of I/D Carrier PVC Transparent  
(Cables B36 always with 2 pcs. I/D Carrier)

COUPLING NUT

FEMALEMALE



CABLE INFORMATION (for more information see Cable Data Sheet).

| CABLE TYPE | NO. OF WIRES | CROSS SECTION | CABLE JACKET | UL           | CSA                     | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN: TEMP. / BENDING RADIUS | DRAG CHAIN                             | CABLE PRODUCT SPECIFICATION | CABLE SPEC. DRAWING |
|------------|--------------|---------------|--------------|--------------|-------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------------------|-----------------------------|---------------------|
| B30        | 3 / 4 / 5    | 0.34mm²       | TPU Black    | UL 21215/758 | C22.2 I/II A/B 80°/600V | -40°C to +90°C<br>>5xO.D.      | -25°C to +80°C<br>>7.5xO.D.     | -5°C to +60°C<br>>7.5xO.D.         | up to 5 000 000 cycles<br>at temp 20°C | 1552200001                  | SD-120209-001       |
| B33        | 4 / 5        | 0.34mm²       | TPU Gray     |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B36        | 4            | 0.34mm²       | TPU Orange   |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B41        | 8            | 0.25mm²       | TPU Black    |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-006       |
| B42        | 5            | 0.34mm²       | TPU Black    |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-001       |
| B55        | 4 / 5        | 0.34mm²       | TPU Yellow   |              |                         |                                |                                 |                                    |                                        |                             | N/A                 |

CABLE LENGTH TOLERANCES

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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

1:1

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

CURRENT REV DESC: CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 3

EC NO: 789428  
DRWN: AKABADI  
CHK'D: RSILLER  
APPR: RSILLER

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING A3-SIZE

SERIES 120066

MATERIAL NUMBER SEE SHEET 3

CUSTOMER GENERAL MARKET

SHEET NUMBER 2 OF 3

molex

CSE M12 XP AC FE RA WSOR MA RA XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER 1200669011

DOC TYPE PSD

DOC PART 000

REVISION B

PART LIST

| MOLEX PN     | ENGINEERING No | L [mm] |
|--------------|----------------|--------|
| 3P CABLE B30 |                |        |
| 1200669246   | 883033B30C210  | 210    |
| 1200669279   | 883033B30C260  | 260    |
| 1200669259   | 883033B30M004  | 400    |
| 1200668942   | 883033B30M006  | 600    |
| 1200668943   | 883033B30M010  | 1000   |
| 1200668944   | 883033B30M020  | 2000   |
| 1200668945   | 883033B30M030  | 3000   |
| 1200668946   | 883033B30M050  | 5000   |
| 1200668947   | 883033B30M100  | 10000  |
| 4P CABLE B30 |                |        |
| 1200668948   | 884033B30M006  | 600    |
| 1200668949   | 884033B30M010  | 1000   |
| 1200668950   | 884033B30M020  | 2000   |
| 1200668951   | 884033B30M030  | 3000   |
| 1200668952   | 884033B30M050  | 5000   |
| 1200668953   | 884033B30M100  | 10000  |
| 1200669649   | 884033B30M150  | 15000  |
| 5P CABLE B30 |                |        |
| 1200669009   | 885033B30M006  | 600    |
| 1200669010   | 885033B30M010  | 1000   |
| 1200669011   | 885033B30M020  | 2000   |
| 1200669012   | 885033B30M030  | 3000   |
| 1200669013   | 885033B30M050  | 5000   |
| 1200669014   | 885033B30M100  | 10000  |
| 4P CABLE B33 |                |        |
| 1200669898   | 884033B33M005A | 500    |
| 1200669643   | 884033B33M010A | 1000   |
| 1200669644   | 884033B33M020A | 2000   |
| 1200669645   | 884033B33M030A | 3000   |
| 1200669646   | 884033B33M050A | 5000   |
| 1200669647   | 884033B33M100A | 10000  |
| 1200669648   | 884033B33M150A | 15000  |
| 1200669899   | 884033B33M200A | 20000  |
| 5P CABLE B33 |                |        |
| 1200669916   | 885033B33M005A | 500    |
| 1200669702   | 885033B33M010A | 1000   |
| 1200669703   | 885033B33M020A | 2000   |
| 1200669704   | 885033B33M030A | 3000   |
| 1200669705   | 885033B33M050A | 5000   |
| 1200669706   | 885033B33M100A | 10000  |
| 1200669917   | 885033B33M200A | 20000  |
| 1200669918   | 885033B33M300A | 30000  |
| 1200669919   | 885033B33M400A | 40000  |
| 1200669920   | 885033B33M500A | 50000  |

| MOLEX PN     | ENGINEERING No  | L [mm] |
|--------------|-----------------|--------|
| 4P CABLE B36 |                 |        |
| 1200669565   | 884033B36M0067Y | 600    |
| 5P CABLE B42 |                 |        |
| 1200668954   | 885033B42M006   | 600    |
| 1200668955   | 885033B42M010   | 1000   |
| 1200668956   | 885033B42M020   | 2000   |
| 1200669416   | 885033B42M020H  | 2000   |
| 1200668957   | 885033B42M030   | 3000   |
| 1200668958   | 885033B42M050   | 5000   |
| 1200668959   | 885033B42M100   | 10000  |
| 4P CABLE B55 |                 |        |
| 1200669650   | 884033B55M010Y  | 1000   |
| 1200669651   | 884033B55M020Y  | 2000   |
| 1200669652   | 884033B55M030Y  | 3000   |
| 1200669653   | 884033B55M050Y  | 5000   |
| 1200669654   | 884033B55M100Y  | 10000  |
| 1200669655   | 884033B55M150Y  | 15000  |
| 5P CABLE B55 |                 |        |
| 1200669707   | 885033B55M010Y  | 1000   |
| 1200669708   | 885033B55M020Y  | 2000   |
| 1200669709   | 885033B55M030Y  | 3000   |
| 1200669710   | 885033B55M050Y  | 5000   |
| 1200669711   | 885033B55M100Y  | 10000  |

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TYPES ON SHEET 3

EC NO: 789428

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CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2023/03/11

2024/07/02

2024/07/02

2016/10/12

2016/10/18

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

120066

SEE PART LIST

GENERAL MARKET

3 OF 3