



ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

OPTIONS

8 0 X 0 0 0 X X X X X X X X X

80=M12x1  
Single ended

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

Heads style:  
000=Plug Female Straight

Cable type: See Table

Units:  
M=Meter

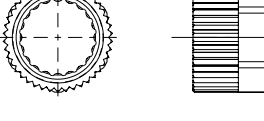
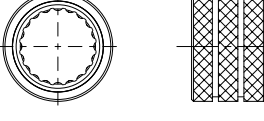
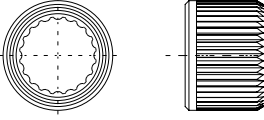
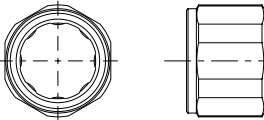
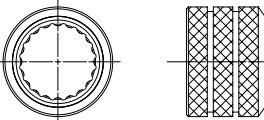
Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 units

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

Coupling Nut:  
Blank (Standard) & 3=Knurled Brass Ni Plated  
1=Hexagonal Stainless steel  
5=Knurled Derlin  
7=Knurled Brass Ni Plated, Teflon Coated  
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS

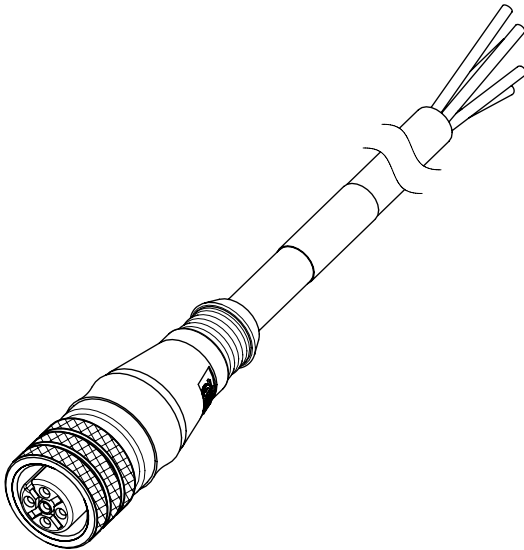


CABLE INFORMATION (for more information see Cable Data Sheet).

| CABLE TYPE | NO. OF WIRES  | CROSS SECTION       | CABLE JACKET    | UL             | CSA                      | STATIC: TEMP. / BENDING RADIUS | DYNAMIC: TEMP. / BENDING RADIUS | DRAG CHAIN                                          | SHIELD |
|------------|---------------|---------------------|-----------------|----------------|--------------------------|--------------------------------|---------------------------------|-----------------------------------------------------|--------|
| 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.         | -                                                   | -      |
| H08        | 3 / 4 / 5 / 8 | 0.25mm <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 | -      |
| 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 | -      |
| P02        | 3 / 4 / 5 / 8 | 0.25mm <sup>2</sup> | PUR / PVC BLACK | -              | -                        | -30°C to +80°C, 7xO.D.         | -5°C to +80°C, 15xO.D.          | -                                                   | -      |
| 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 |



SCALE 1:1

|                    |                                                                                                                                               |  |        |                          |                                                                  |  |                 |                          |  |              |          |          |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--------------------------|------------------------------------------------------------------|--|-----------------|--------------------------|--|--------------|----------|----------|
| 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: RETRACTED P/N 1200658191<br>AS PER PCN#516775. |  |                 | <div>molex</div>         |  |              |          |          |
| <div>FA</div> = 0  | mm                                                                                                                                            |  | 1:1    |                          |                                                                  |  |                 |                          |  |              |          |          |
| <div>FE</div> = 0  | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |                          | CSE M12 XP AC FE STR XM SE UNSH                                  |  |                 |                          |  |              |          |          |
| <div>FF</div> = 0  | ANGULAR TOL ± 1.0 °                                                                                                                           |  |        |                          |                                                                  |  |                 |                          |  |              |          |          |
| DIVISIONAL SYMBOLS | 4 PLACES                                                                                                                                      |  | ±      |                          | EC NO: 823996                                                    |  |                 | PRODUCT CUSTOMER DRAWING |  |              |          |          |
|                    | 3 PLACES                                                                                                                                      |  | ±      |                          | DRWN: ANIKES1 2025/05/30                                         |  |                 |                          |  |              |          |          |
|                    | 2 PLACES                                                                                                                                      |  | ± 0.05 |                          | CHK'D: GGA 2025/05/30                                            |  |                 |                          |  |              |          |          |
|                    | 1 PLACE                                                                                                                                       |  | ± 0.3  |                          | APPR: GGA 2025/05/30                                             |  |                 |                          |  |              |          |          |
|                    | 0 PLACES                                                                                                                                      |  | ± 0.5  |                          | INITIAL REVISION:                                                |  |                 |                          |  |              |          |          |
|                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |                          | DRWN: JMARSZALEK 2016/01/11                                      |  |                 | DOCUMENT NUMBER          |  |              |          |          |
|                    |                                                                                                                                               |  |        | APPR: RSILLER 2016/04/08 |                                                                  |  | 1200651978      |                          |  | DOC TYPE     | DOC PART | REVISION |
|                    |                                                                                                                                               |  |        | THIRD ANGLE PROJECTION   |                                                                  |  | MATERIAL NUMBER | CUSTOMER                 |  | SHEET NUMBER |          |          |
|                    |                                                                                                                                               |  |        | <div></div>              |                                                                  |  | SEE SHEET 3-4   | GENERAL MARKET           |  | 2 OF 4       |          |          |
|                    |                                                                                                                                               |  |        | DRAWING                  |                                                                  |  | SERIES          |                          |  |              |          |          |
|                    |                                                                                                                                               |  |        | A3-SIZE                  |                                                                  |  | 120065          |                          |  |              |          |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2025/05/30 | 10:55:41 |
|-----------------|----|--------------|------------|----------|



|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|------------------------------------------------------------------------------------------------|--------------|-----------------|--------------|--------------|-----------------|--------------|--------------|-----------------|--------------|
| 10                                                                                             | 9            | 8               | 7            | 6            | 5               | 4            | 3            | 2               | 1            |
| PART LIST                                                                                      |              |                 |              |              |                 |              |              |                 |              |
| F                                                                                              | Part No.     | Engineering No. | Cable Length | Part No.     | Engineering No. | Cable Length | Part No.     | Engineering No. | Cable Length |
|                                                                                                | 1200658641   | 804000H09M040   | 4m           | 1200651795   | 808000P02M070   | 7m           | 1200659474   | 804000P03M250   | 25m          |
|                                                                                                | 1200658179   | 804000H09M050   | 5m           | 1200650955   | 808000P02M080   | 8m           | 1200659341   | 804000P03M2501  | 25m          |
|                                                                                                | 1200064434   | 804000H09M050G  | 5m           | 1200650956   | 808000P02M0801  | 8m           | 1200659475   | 804000P03M300   | 30m          |
|                                                                                                | 1200658008   | 804000H09M050H  | 5m           | 1200650957   | 808000P02M100   | 10m          | 1200657129   | 804000P03M400   | 40m          |
|                                                                                                | 1200658190   | 804000H09M100   | 10m          | 1200659553   | 808000P02M100H  | 10m          | 1200657130   | 804000P03M500   | 50m          |
|                                                                                                | 1200658191   | 804000H09M150   | 15m          | 1200659397   | 808000P02M100Y  | 10m          | 5P P03 CABLE |                 |              |
|                                                                                                | 1200658009   | 804000H09M100H  | 10m          | 1200658021   | 808000P02M150   | 15m          | 1200060646   | 805000P03M003   | 0.3m         |
|                                                                                                | 1200658880   | 804000H09M200   | 20m          | 1200659554   | 808000P02M150H  | 15m          | 1200659282   | 805000P03M005   | 0.5m         |
|                                                                                                | 1200065006   | 804000H09M250G  | 25m          | 1200651817   | 808000P02M200   | 20m          | 1200659283   | 805000P03M007   | 0.7m         |
| E                                                                                              | 5P H09 CABLE |                 |              | 1200659334   | 808000P02M200H  | 20m          | 1200658197   | 805000P03M010   | 1m           |
|                                                                                                | 1200658632   | 805000H09M010   | 1m           | 1200651818   | 808000P02M250   | 25m          | 1200060647   | 805000P03M020   | 2m           |
|                                                                                                | 1200658633   | 805000H09M015   | 1.5m         | 1200651820   | 808000P02M300   | 30m          | 1200065004   | 805000P03M0201  | 2m           |
|                                                                                                | 1200658172   | 805000H09M020   | 2m           | 1200656766   | 808000P02M350   | 35m          | 1200659326   | 805000P03M020H  | 2m           |
|                                                                                                | 1200658634   | 805000H09M030   | 3m           | 1200656767   | 808000P02M400   | 40m          | 1200062521   | 805000P03M030   | 3m           |
|                                                                                                | 1200658635   | 805000H09M040   | 4m           | 3P P03 CABLE |                 |              | 1200658020   | 805000P03M040   | 4m           |
|                                                                                                | 1200658173   | 805000H09M050   | 5m           | 1200061765   | 803000P03M002   | 0.2m         | 1200651792   | 805000P03M050   | 5m           |
|                                                                                                | 1200658174   | 805000H09M100   | 10m          | 1200062098   | 803000P03M006   | 0.6m         | 1200652154   | 805000P03M060   | 6m           |
|                                                                                                | 1200657306   | 805000H09M100H  | 10m          | 1200060152   | 803000P03M010   | 1m           | 1200060649   | 805000P03M100   | 10m          |
|                                                                                                | 1200658780   | 805000H09M200   | 20m          | 1200060004   | 803000P03M020   | 2m           | 1200658991   | 805000P03M100H  | 10m          |
| D                                                                                              | 1200659144   | 805000H09M300   | 30m          | 1200060153   | 803000P03M030   | 3m           | 1200061431   | 805000P03M150   | 15m          |
|                                                                                                | 1200657264   | 805000H09M500   | 50m          | 1200065012   | 803000P03M030G  | 3m           | 1200659329   | 805000P03M150H  | 15m          |
|                                                                                                | 4P P02 CABLE |                 |              | 1200064093   | 803000P03M032   | 3.2m         | 1200064292   | 805000P03M200   | 20m          |
|                                                                                                | 1200658609   | 804000P02M020   | 2m           | 1200658610   | 803000P03M040   | 4m           | 1200659330   | 805000P03M200H  | 20m          |
|                                                                                                | 1200658927   | 804000P02M050   | 5m           | 1200060005   | 803000P03M050   | 5m           | 1200659214   | 805000P03M300   | 30m          |
|                                                                                                | 8P P02 CABLE |                 |              | 1200651769   | 803000P03M050G  | 5m           | 1200659594   | 805000P03M300H  | 30m          |
|                                                                                                | 1200655073   | 808000P02M003   | 0.3m         | 1200063415   | 803000P03M0707  | 7m           | 1200659595   | 805000P03M350H  | 35m          |
|                                                                                                | 1200658525   | 808000P02C350   | 0.35m        | 1200060006   | 803000P03M100   | 10m          |              |                 |              |
|                                                                                                | 1200651794   | 808000P02M010   | 1m           | 1200063673   | 803000P03M1001  | 10m          |              |                 |              |
|                                                                                                | 1200659399   | 808000P02M015   | 1.5m         | 1200062811   | 803000P03M100H  | 10m          |              |                 |              |
| C                                                                                              | 1200650951   | 808000P02M020   | 2m           | 1200060157   | 803000P03M150   | 15m          |              |                 |              |
|                                                                                                | 1200658022   | 808000P02M030   | 3m           | 1200060158   | 803000P03M200   | 20m          |              |                 |              |
|                                                                                                | 1200650952   | 808000P02M040   | 4m           | 1200062772   | 803000P03M250   | 25m          |              |                 |              |
|                                                                                                | 1200650953   | 808000P02M050   | 5m           |              |                 |              |              |                 |              |
|                                                                                                | 1200659552   | 808000P02M050H  | 5m           |              |                 |              |              |                 |              |
|                                                                                                | 1200659092   | 808000P02M050Y  | 5m           |              |                 |              |              |                 |              |
|                                                                                                | 1200650954   | 808000P02M060   | 6m           |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
| B                                                                                              |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
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|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
| A                                                                                              |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
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|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
|                                                                                                |              |                 |              |              |                 |              |              |                 |              |
| NOTES:<br>✱ - Part No. with Yellow PVC overmolding<br>✱✱ - Part No. with Black PVC overmolding |              |                 |              |              |                 |              |              |                 |              |
| DOCUMENT STATUS   P1   RELEASE DATE   2025/05/30   10:55:41                                    |              |                 |              |              |                 |              |              |                 |              |
| 10                                                                                             | 9            | 8               | 7            | 6            | 5               | 4            | 3            | 2               | 1            |

|                                                                                                              |                                                                                                                                               |         |        |                 |                |              |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|-----------------|----------------|--------------|
| FUNCTIONAL SYMBOLS<br><div>▽A/ = 0</div> <div>▽E/ = 0</div> <div>▽E/ = 0</div> <div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |         |        |                 |                |              |
|                                                                                                              | DIMENSION UNITS                                                                                                                               | SCALE   |        |                 |                |              |
|                                                                                                              | mm                                                                                                                                            | 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                                                         | THIRD ANGLE PROJECTION                                                                                                                        | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|                                                                                                              |                                                                                                                                               | A3-SIZE | 120065 | SEE SHEET 3-4   | GENERAL MARKET | 4 OF 4       |

CURRENT REV DESC: RETRACTED P/N 1200658191 AS PER PCN#516775.

EC NO: 823996  
DRWN: ANIKES1  
CHK'D: GGA  
APPR: GGA

2025/05/30  
2025/05/30  
2025/05/30

INITIAL REVISION:  
DRWN: JMARSZALEK  
APPR: RSILLER

2016/01/11  
2016/04/08

DOCUMENT NUMBER

1200651978

DOC TYPE

PSD

DOC PART

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REVISION

A13