

F

E

D

C

B

A

F

E

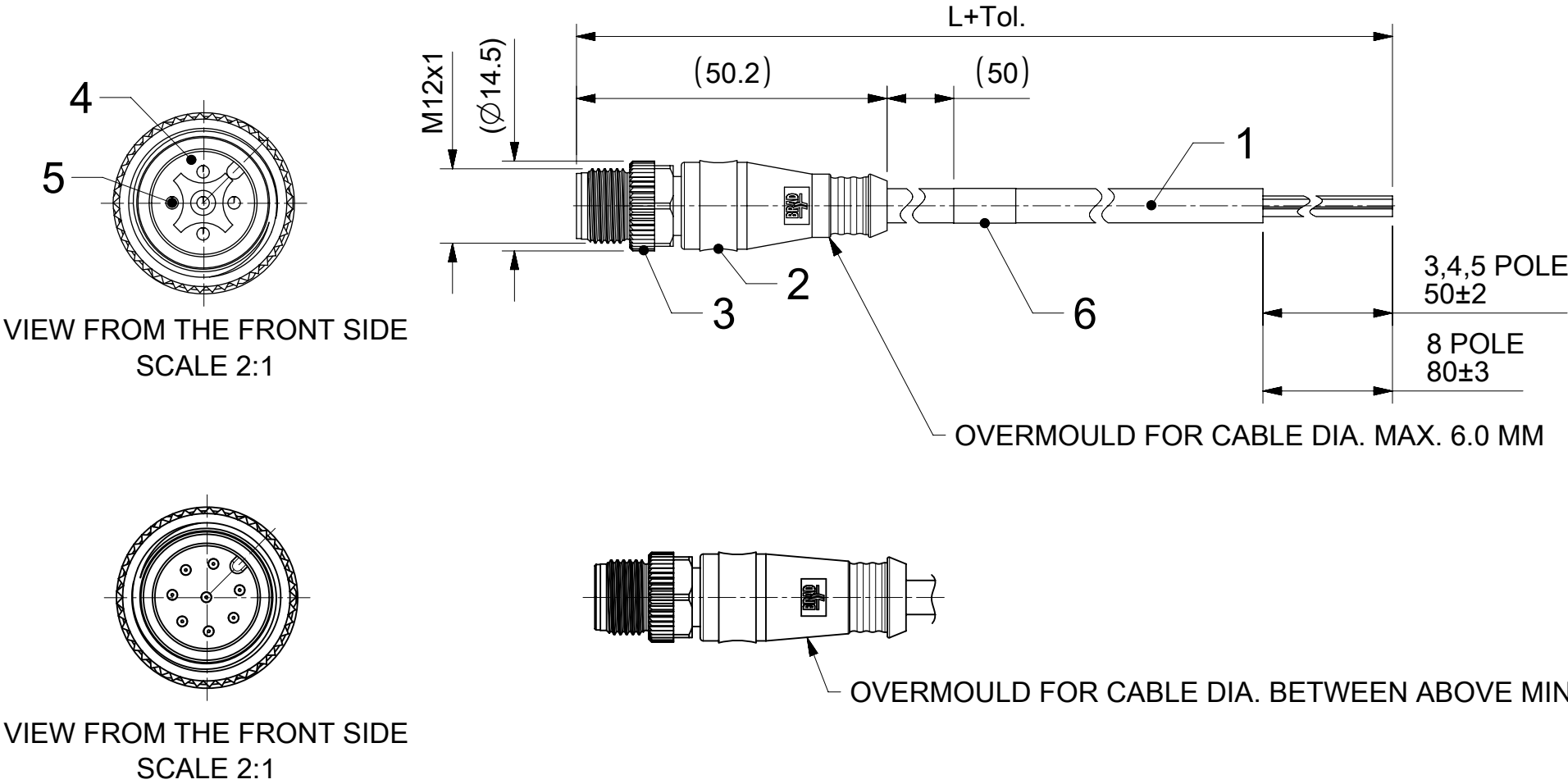
D

C

B

A

NOTES:  
RATED VOLTAGE: 3, 4 contacts 250V  
5 contacts 60V  
8 contacts 30V  
RATED CURRENT: 3, 4, 5 contacts 4A  
8 contacts 2A  
TEMPERATURE: SEE CABLE INFORMATION  
INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.  
MATING CYCLES: MIN. 100  
ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION



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

8

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X

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M

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X

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X

88 = M12x1  
SINGLE ENDED

POLES:  
3 = 3 POLES  
4 = 4 POLES  
5 = 5 POLES  
8 = 8 POLES

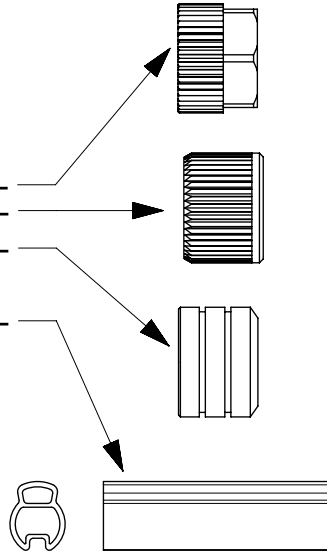
HEADER:  
006 = PLUG MALE STRARIGHT

CABLE TYPE:  
SEE TABLE

UNIT:  
M = METER

LENGTH:  
EXAMPLE:  
010 = 1 m  
050 = 5 m  
100 = 10 m

OPTIONS  
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  
(Cable B36 always with  
2 pcs. I/D Carrier)



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 / 5        | 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       |
| B49        | 8            | 0.25mm²       | TPU Orange   |              |                         |                                |                                 |                                    |                                        |                             | SD-120209-006       |
| B55        | 3 / 4 / 5    | 0.34mm²       | TPU Yellow   |              |                         |                                |                                 |                                    |                                        |                             | n/a                 |

FUNCTIONAL SYMBOLS

FA

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FE

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FE

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0

DIVISIONAL SYMBOLS

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. UPDATED INSERT TO OVERMOLD DIM. AND NOTES

EC NO: 789428

DRWN: FDAFERNER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: MDHARMANTI

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/01/31

2024/07/02

2024/07/02

2021/10/01

2021/10/06

A3-SIZE

120065

SEE SHEET 3

GENERAL MARKET

2 OF 3

moLEX

CSE M12 XP AC MA STR WSOR XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200659964

DOC TYPE

PSD

DOC PART

000

REVISION

B

DOCUMENT STATUS P1 RELEASE DATE 2024/07/02 09:17:38

FORMAT: m88816-00003  
REVISION: 1  
DATE: 2020/01/11

10987654321

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