

ELECTRICAL DATA:

VOLTAGE RATING: 5P - 60V,  
8P - 30V  
AMPERAGE RATING: 5P - 4A  
8P - 2A

INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.  
MATING CYCLES: MIN. 100

ENVIRONMENTAL:  
PROTECTION: IP67  
OPERATING TEMPERATURE: -25°C TO +85°C

PART NO MATRIX

8 R X J 4 0 X X X C X X X X

8R = MICRO RECEPTACLE

POLES:  
5 = 5 POLES  
8 = 8 POLES

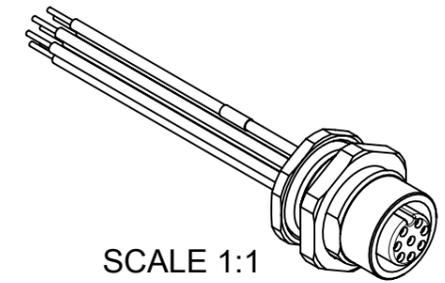
HEADER:  
FEMALE CONTACT  
FEMALE THREAD M12  
PG9 MOUNTING THREAD

CABLE TYPE  
E02=0.25mm PVC  
E03=0.34mm PVC

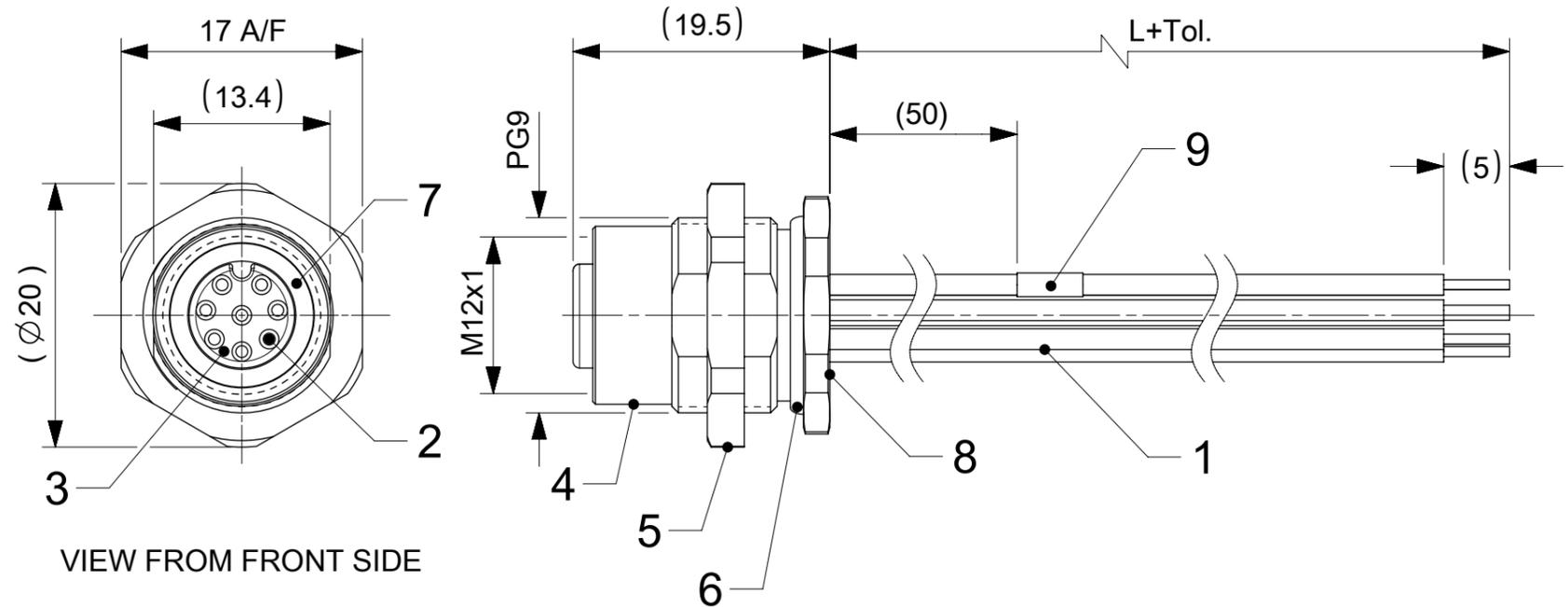
UNIT:  
C=CENTIMETER

LENGTH EXAMPLE:  
300 = 30cm(300mm)  
200 = 20cm(200mm)  
800 = 80cm(800mm)

SHELL MATERIAL  
3=BRASS  
BRASS-BNP

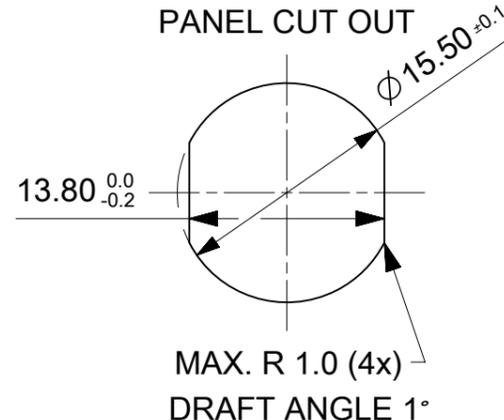


SCALE 1:1

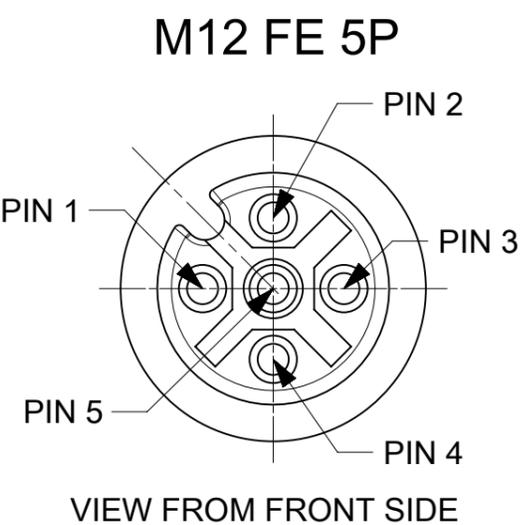
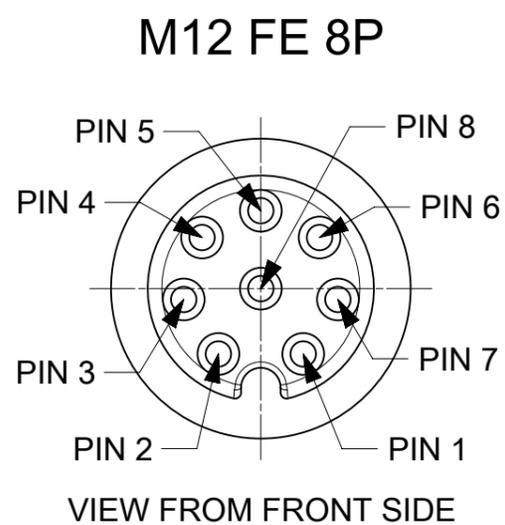


VIEW FROM FRONT SIDE

RECOMMENDED PANEL CUT OUT



MAX. R 1.0 (4x)  
DRAFT ANGLE 1°



| PIN | WIRE   |
|-----|--------|
| 1   | WHITE  |
| 2   | BROWN  |
| 3   | GREEN  |
| 4   | YELLOW |
| 5   | GREY   |
| 6   | PINK   |
| 7   | BLUE   |
| 8   | RED    |

| PIN | WIRE  |
|-----|-------|
| 1   | BROWN |
| 2   | WHITE |
| 3   | BLUE  |
| 4   | BLACK |
| 5   | GREY  |

BOM

| ITEM | QTY. | DESCRIPTION        | MATERIAL | FINISH/COLOR        |
|------|------|--------------------|----------|---------------------|
| 1    | -    | WIRES              | PVC      | SEE INSERT VIEW     |
| 2    | 5/8  | CONTACT FE         | BRASS    | GOLD OVER Ni-PLATED |
| 3    | 1    | INSERT M12 FE      | TPU      | BLACK               |
| 4    | 1    | M12 SHELL PANEL MT | BRASS    | NICKEL PLATED       |
| 5    | 1    | LOCKNUT            | BRASS    | NICKEL PLATED       |
| 6    | 1    | O-Ring             | NBR      | BLACK               |
| 7    | 1    | GASKET             | FPM      | RED                 |
| 8    | -    | POTTING MATERIAL   | EPOXY    | TRANSPARENT         |
| 9    | 1    | LABEL              | VINYL    | YELLOW              |

PART LIST

| MOLEX P/N  | ENG No.        | L+Tol.(mm) |
|------------|----------------|------------|
| 1200110349 | 8R8J40E02C3003 | 300±10     |
| 1200700233 | 8R5J40E03C3003 | 300±10     |
| 1200705009 | 8R8J40E02C300  | 300±10     |
| 1200705179 | 8R8J40E02C200  | 200±10     |
| 1200708065 | 8R5J40E03C1503 | 150±10     |
| 1200708154 | 8R8J40E02C5003 | 500±10     |
| 1200708186 | 8R8J40E02C800  | 800±10     |

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FUNCTIONAL SYMBOLS:  $\nabla/A = 0$ ,  $\nabla/E = 0$ ,  $\nabla/V = 0$

DIVISIONAL SYMBOLS: 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

SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

EC NO: 800832  
DRWN: MDHARMANTI 2021/11/08  
CHK'D: RSILLER 2024/10/14  
APPR: RSILLER 2024/10/14

INITIAL REVISION:  
DRWN: SSM 2020/05/12  
APPR: RSILLER 2020/05/29

DOCUMENT NUMBER: 1200708154  
DOC TYPE: PSD  
DOC PART: 000  
REVISION: A2

CUSTOMER: GENERAL MARKET  
SHEET NUMBER: 1 OF 2

PRODUCT CUSTOMER DRAWING

**molex**

REC M12 XP AC FE STR PVC PG9 SE XM UNSH

