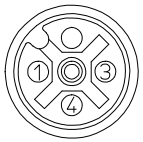
## WIRING DIAGRAM M12 FEMALE:

3 WIRES




VIEW FROM FRONT SIDE

3 WIRES

| Pin | Wire color |
|---|---|
| 1 | Brown |
| 2 | - |
| 3 | Blue |
| 4 | Black |

4 WIRES

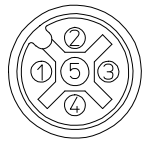



VIEW FROM FRONT SIDE

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5 WIRES

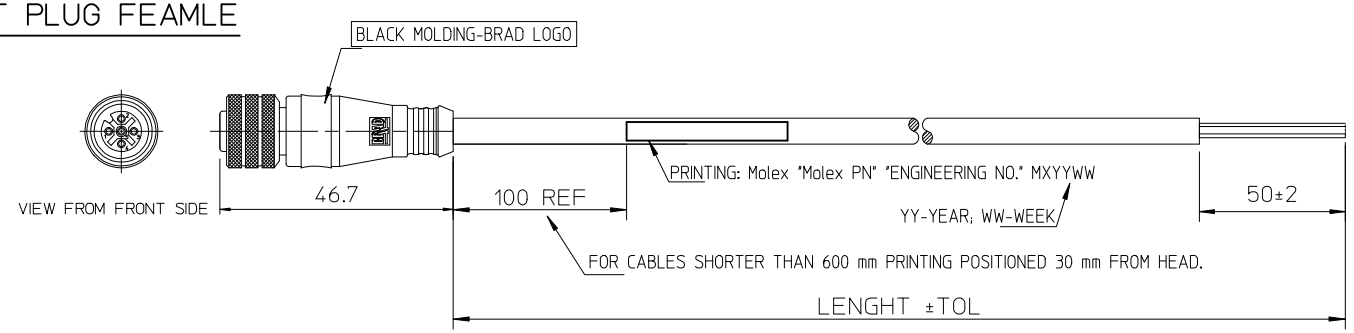



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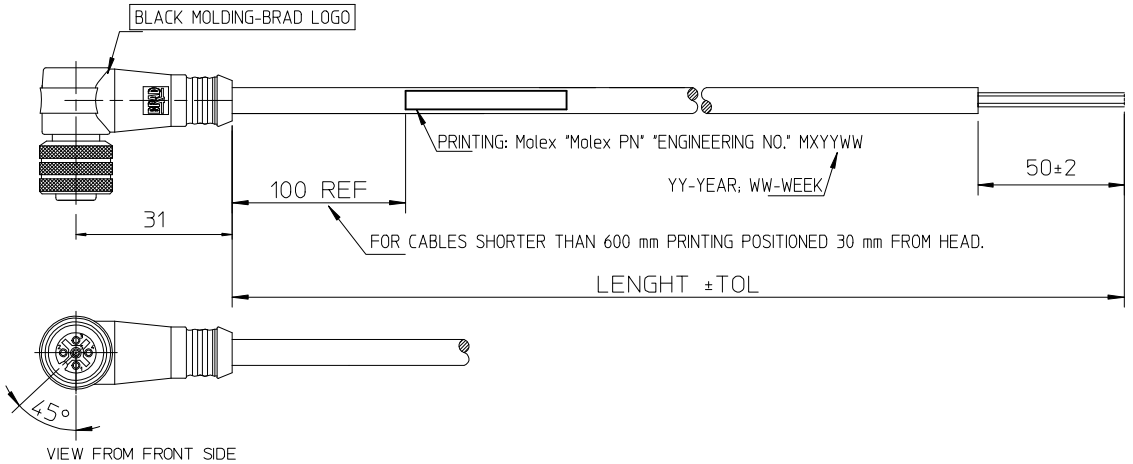
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## STRAIGHT PLUG FEAMLE




## 90° - PLUG




## ENGINEERING P/N KEY DECODING:

| 0 | 8 | 1 | 2 | - | 0 | X | X | K | F | - | X | X | X | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

- 0812 — OVERMOULDED M12 FAMILIY
- 0XX — NUMBER OF POLES: 03=3 POLES; 04=4 POLES; 05=5 POLES
- XX — TYPE OF CONNECTOR: 1=STRAIGHT; 2=90°
- K — FEMALE CONNECTOR
- XXX — LENGHT: 01 = 1m; 02 = 2 m; 05 = 5 m; 15 = 15 m; 20 = 20 m; 90 = 1.5 m; 91 = 0.6 m; 92 = 0.3 m; 93 = 2.5 m; 94 = 3.5 m; 95 = 7.5 m
- 00 — TYPE OF CABLE: 1 = PVC BLACK 0.25mm²; 2 = PUR/PVC BLACK 0.25mm²; E = PVC BLACK 0.5mm²; F = PUR BLACK 0.5mm²; S = PUR BLACK 0.34mm²; D = PUR BLACK 22AWG UL

### TABLE OF TOLERANCES

| CABLE LENGTH IN METER | TILL/DO 1m | OVER - TILL 1-5m | OVER - TILL 5-10m | OVER 10m | OVER 20m | OVER 30m |
|---|---|---|---|---|---|---|
| MANUFACTURING TOLERANCES MM | | | | | | |
| M8/M12 CABLE CONNECTOR MALE OR FEMALE | +20 -10 | ±25 | ±30 | ±30 | ±50 | ±60 |
| M8/M12 CABLE CONNECTOR JUMPERCABLE | +20 -10 | ±25 | ±30 | ±30 | ±50 | ±60 |
| M23 CABLE CONNECTOR MALE OR FEMALE | | | ±50 | ±50 | ±50 | ±60 |
| M23 CABLE CONNECTOR JUMPERCABLE | | | ±50 | ±50 | ±50 | ±60 |

PRINTING UPDATE
EC NO: IPG2015-1471
DRWN:JMARSZALEK 2013/09/25
CH'KD:MSZWAJKOWSKI 2013/09/25
APPR:MIWASIECZKO 2015/03/20
DESCRIPTION
REV
B

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± --- | ± --- |
| 1 PLACE | ± --- | ± --- |
| 0 PLACE | ± --- | ± --- |

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: HWALCZAK DATE: 2012/05/10
CHECKED BY: DATE:
APPROVED BY: MDYSZEWSKA DATE: 2012/05/28
MATERIAL NO.: SEE KEY

TITLE: CSE M12 XP AC FE XM SE

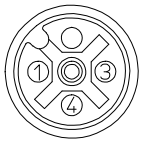
molex

DOCUMENT NO.: SD-120065-053
SHEET NO.: 1 OF 1
SIZE: A3

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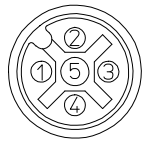



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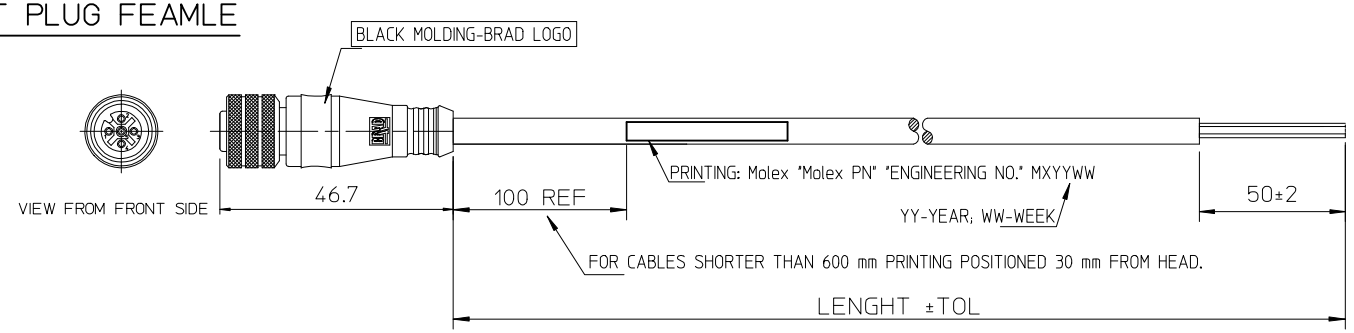



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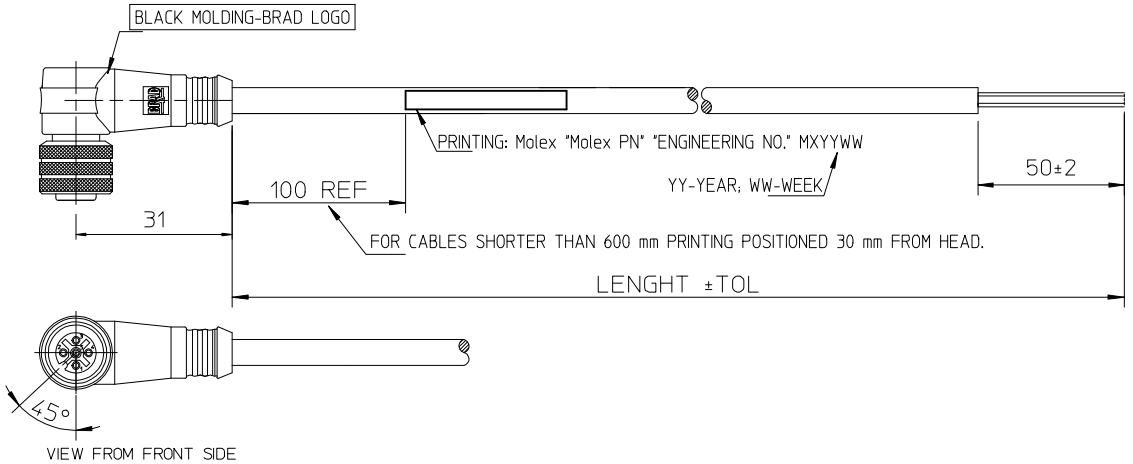
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DOCUMENT NO.: SD-120065-053
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