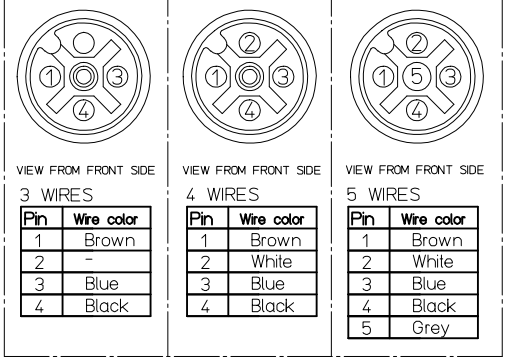
WIRING DIAGRAM M12 FEMALE:



3 WIRES

Pin	Wire color
1	Brown
2	-
3	Blue
4	Black

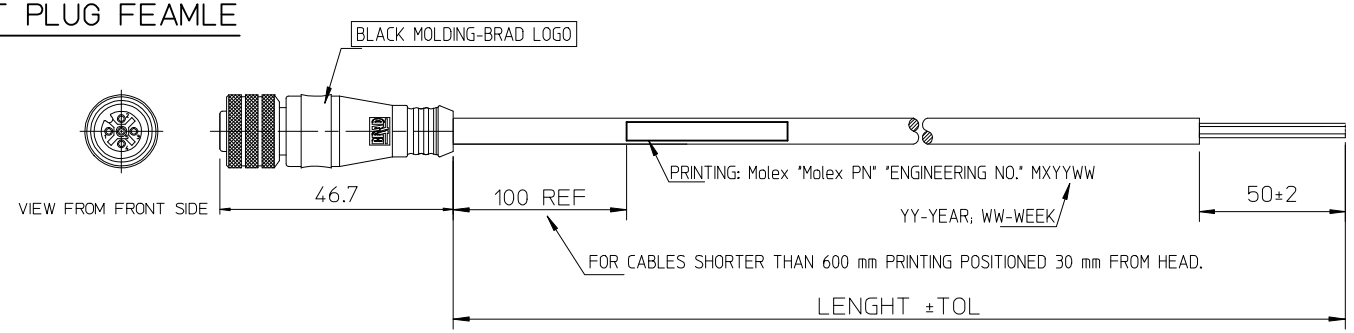
4 WIRES

Pin	Wire color
1	Brown
2	White
3	Blue
4	Black

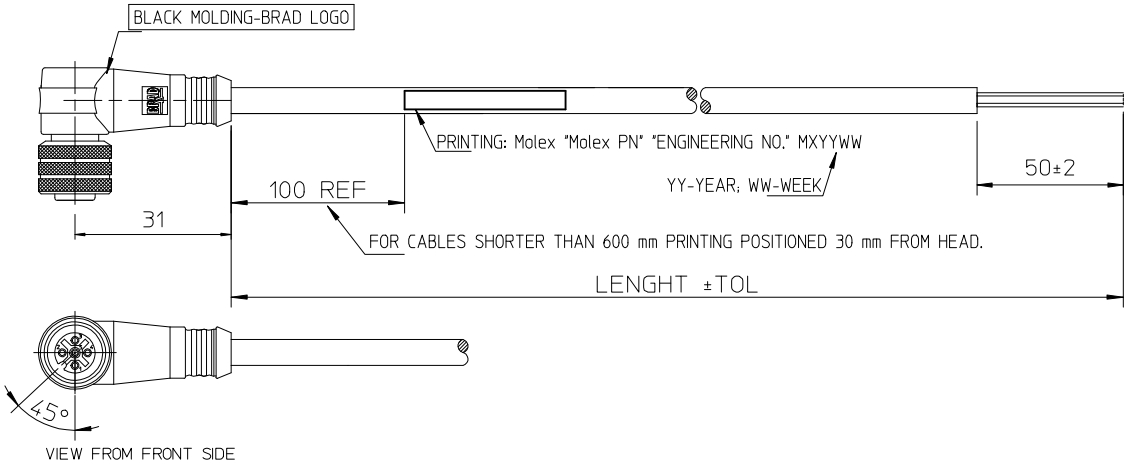
5 WIRES

Pin	Wire color
1	Brown
2	White
3	Blue
4	Black
5	Grey

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°
- KF: 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/00 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

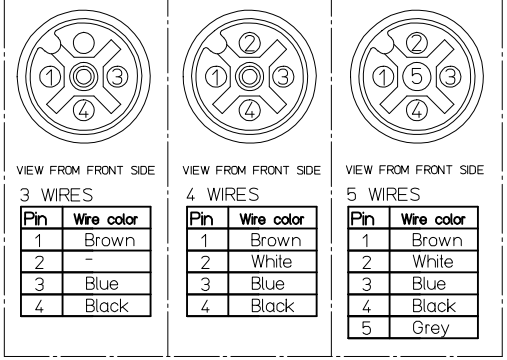
molex

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

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WIRING DIAGRAM M12 FEMALE:



3 WIRES

Pin	Wire color
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4	Black

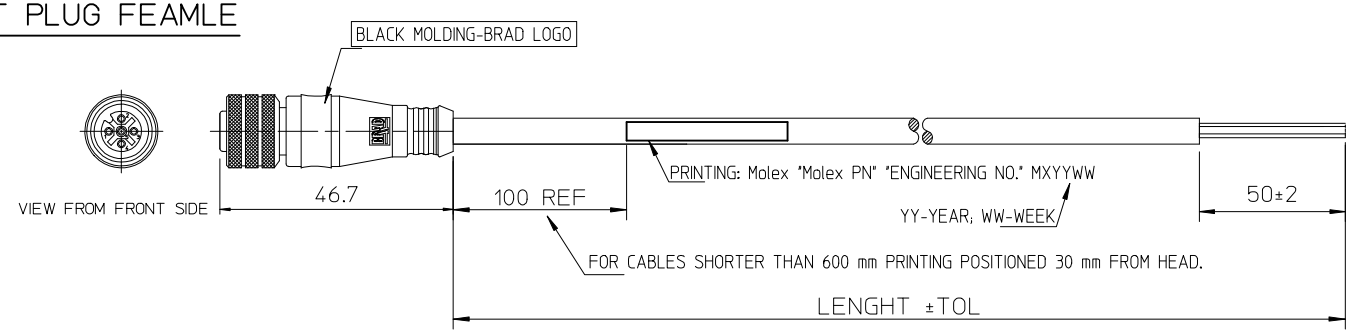
4 WIRES

Pin	Wire color
1	Brown
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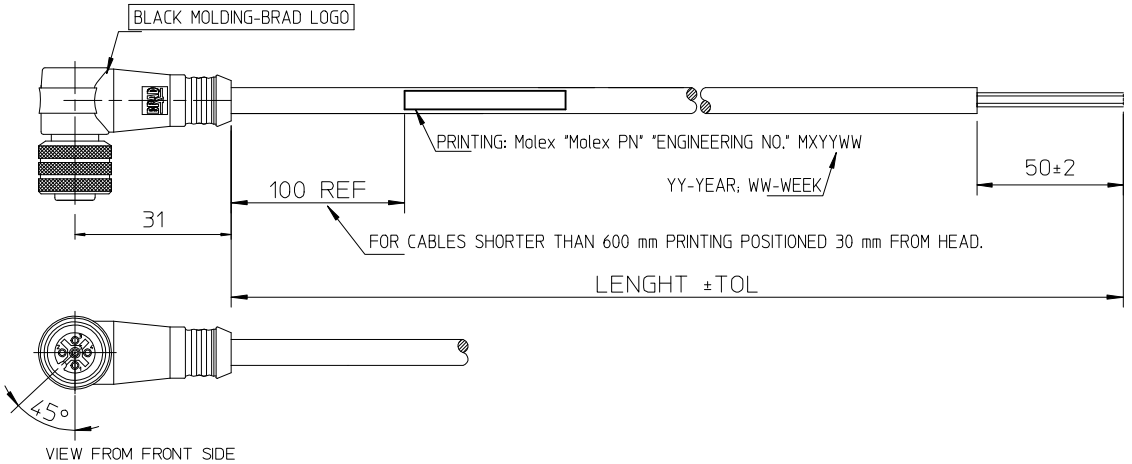
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STRAIGHT PLUG FEAMLE



90° - PLUG



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REV B

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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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