

# STRAIGHT PLUG FEAMLE

10 9 8 7 6 5 4 3 2 1

## WIRING DIAGRAM M12 FEMALE:

3 WIRES

VIEW FROM FRONT SIDE

Pin	Wire color
1	Brown
2	-
3	Blue
4	Black

4 WIRES

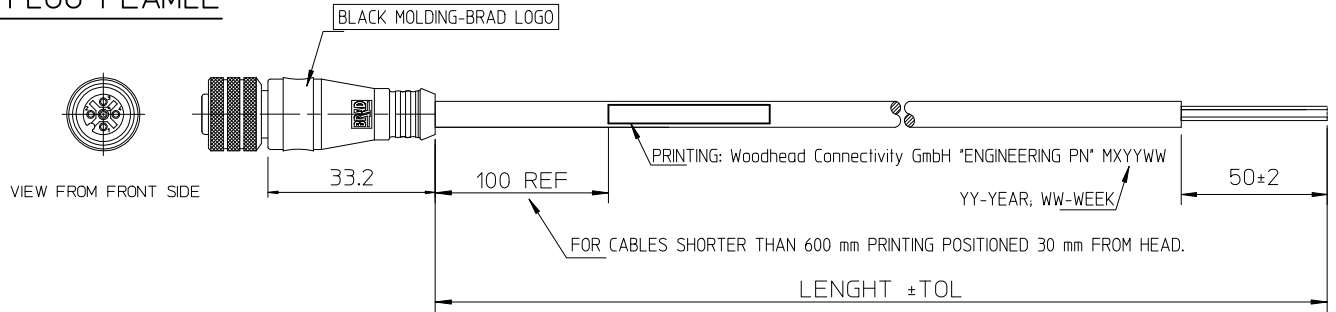
VIEW FROM FRONT SIDE

Pin	Wire color
1	Brown
2	White
3	Blue
4	Black

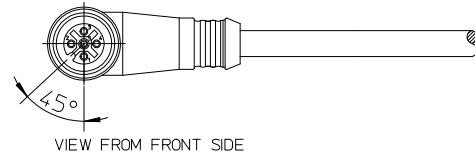
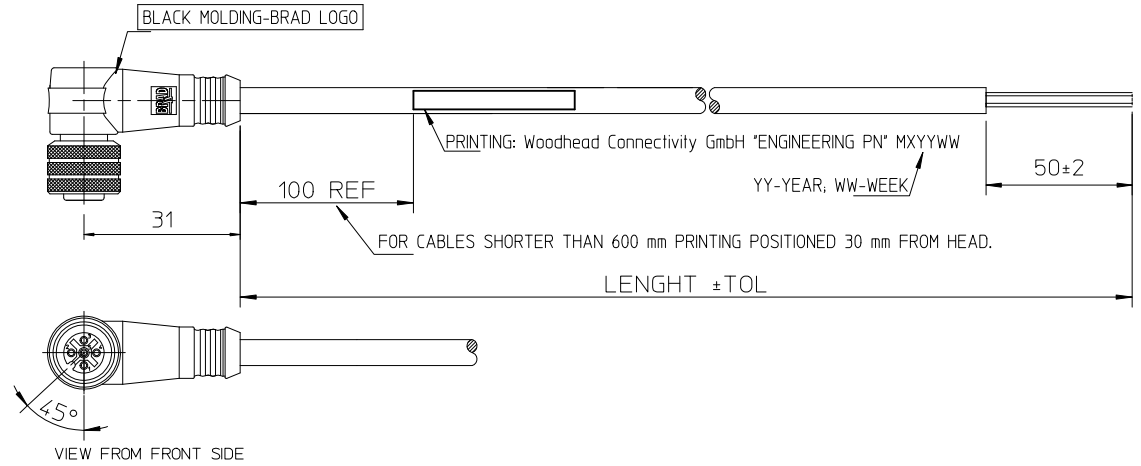
5 WIRES

VIEW FROM FRONT SIDE

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



## 90° - PLUG



### ENGINEERING P/N KEY DECODING:

0	8	1	2	-	0	X	X	K	F	-	X	X	X	0	0		
OVERMOULDED M12 FAMILY				NUMBER OF POLES 03-3 POLES 04-4 POLES 05-5 POLES			TYPE OF CONNECTOR 1=PROSTY/STRAIGHT 2=LAMANY/90°		FEMALE CONNECTOR			LENGTH 01 = 1m 02 = 2m 05 = 5m 15 = 15m 20 = 20m 30 = 30m		TYPE OF CABLE 91 = 0.6m 92 = 0.3m 93 = 2.5m 94 = 3.5m 95 = 7.5m		TYPE OF CABLE 1 = PVC Standard 2 = PUR Standard 3 = PVC strahlenvern, 4 = PUR strahlenvern, E = PVC 4x0.5 mm² F = 0.50 mm² PUR S = PUR 4/34 M8/12 D = UL-cable PUR	

TABLE OF TOLERANCES						
CABLE LENGTH IN METER	TILL/00	OVER - TILL	OVER - TILL	OVER	OVER	OVER
	1m	1-5m	5-10m	10m	20m	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

<p>ORIGINAL RELEASE EC NO: IPG2012-0960 DRWN:HWALCZAK 2012/05/10 CHKD: APPR:MDYSZEWSKA 2012/05/28</p>	<p>DESCRIPTION REV</p>	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE <b>MM ONLY</b>	SCALE ---	DESIGN UNITS <b>METRIC</b>	FIRST ANGLE PROJECTION																								
		<p>▽=0 ◻=0</p>	<table border="1" style="width: 100%; text-align: center;"> <tr><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± --- ± ---</td></tr> <tr><td>3 PLACES</td><td>± --- ± ---</td></tr> <tr><td>2 PLACES</td><td>± --- ± ---</td></tr> <tr><td>1 PLACE</td><td>± --- ± ---</td></tr> <tr><td>0 PLACE</td><td>± --- ± ---</td></tr> </table>	mm	INCH	4 PLACES	± --- ± ---	3 PLACES	± --- ± ---	2 PLACES	± --- ± ---	1 PLACE	± --- ± ---	0 PLACE	± --- ± ---	<table border="1" style="width: 100%;"> <tr><th>DRAWN BY</th><th>DATE</th></tr> <tr><td>HWALCZAK</td><td>2012/05/10</td></tr> <tr><th>CHECKED BY</th><th>DATE</th></tr> <tr><td></td><td></td></tr> <tr><th>APPROVED BY</th><th>DATE</th></tr> <tr><td>MDYSZEWSKA</td><td>2012/05/28</td></tr> <tr><th>MATERIAL NO.</th><td></td></tr> </table>	DRAWN BY	DATE	HWALCZAK	2012/05/10	CHECKED BY	DATE			APPROVED BY	DATE	MDYSZEWSKA	2012/05/28	MATERIAL NO.		<p>TITLE <b>CSE M12 XP AC FE XM SE</b></p>
		mm	INCH																												
		4 PLACES	± --- ± ---																												
3 PLACES	± --- ± ---																														
2 PLACES	± --- ± ---																														
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<p>ANGULAR ± --- °</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>				<p>SEE KEY</p>		<p>DOCUMENT NO. <b>SD-120065-053</b></p>																									
<p>SIZE <b>A3</b></p>				<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>																											

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