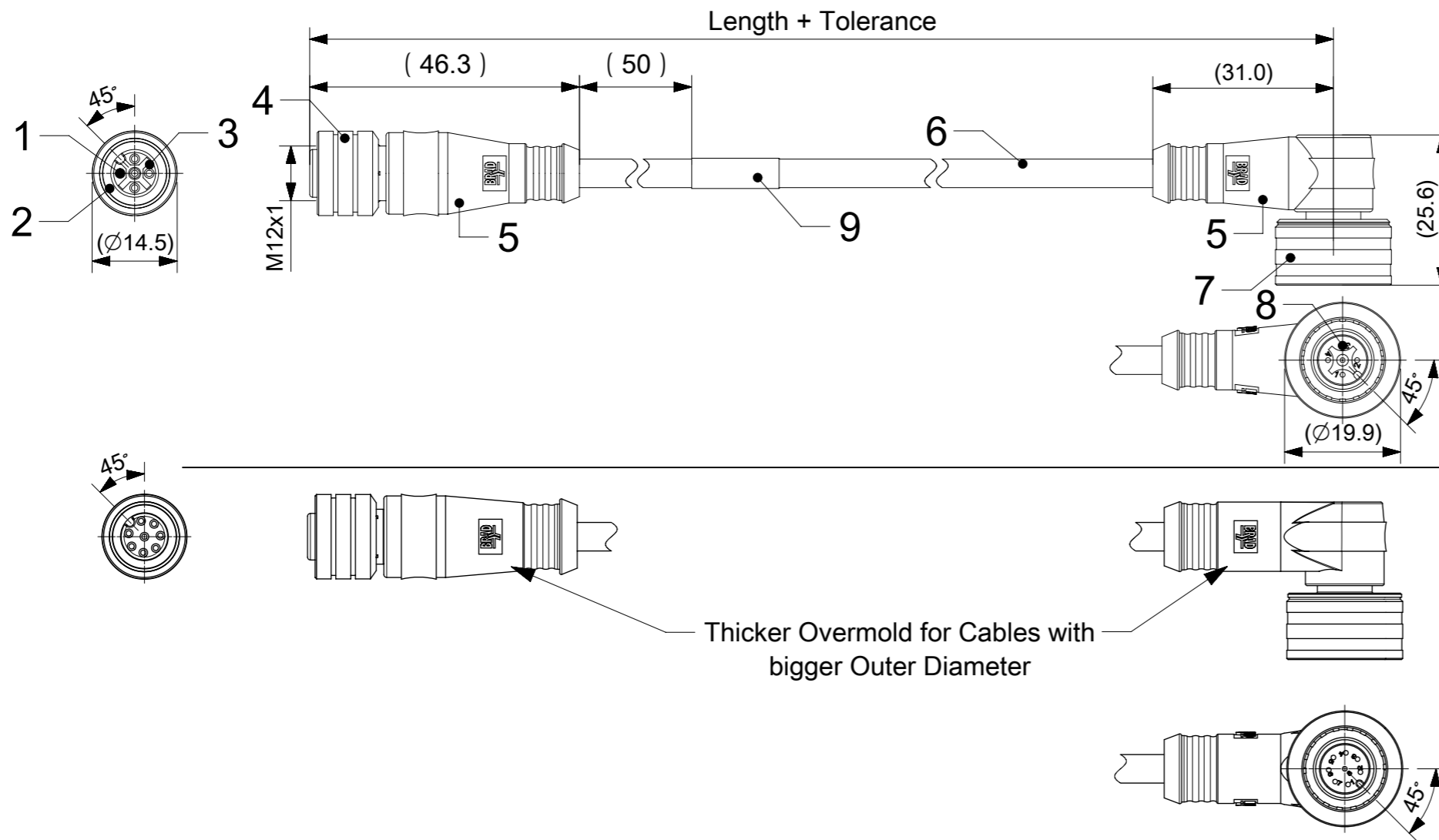


# FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT

## NOTES:

RATED VOLTAGE: 3, 4 contacts 250V  
 5 contacts 60V  
 8 contacts 30V  
 RATED CURRENT: 3, 4, 5 contacts 4A  
 8 contacts 2A  
 PROTECTION CLASS: IP 67/68/69K  
 TEMPERATURE: -25°C / +85°C



### CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREY
							6	PINK
							7	BLUE
						8	RED	

CODING REQUIRED TO IEC 61076-2-101

### FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
9	1	WRAP LABEL YELLOW	VINYL	---
8	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE Au OVER Ni
7	1	ULTRA M12 XP MALE	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE Au OVER Ni

QUALITY SYMBOLS FA = 0 FE = 0 FF = 0 ▼ = 0 C = 0 ⊗ = 0 ■ = 0 ∇ = 0	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		
	EC NO: 117790	2017/06/03	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN BY	DATE	
	DRWN: AKONDRACIUK	2017/06/07	ANGULAR TOL ± °		AKONDRACIUK	2017/06/03	
	CHK'D: MIWASIECZKO	2017/06/07	4 PLACES ±		CHK'D BY	DATE	
REV	APPR: MIWASIECZKO	2 PLACES ±		MIWASIECZKO	2017/06/07	PRODUCT CUSTOMER DRAWING	
A		1 PLACE ±		DRAWING SIZE A3		THIRD ANGLE PROJECTION	
		0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SERIES 120080	
						MATERIAL NUMBER SEE SHEET 3	
						CUSTOMER GENERAL MARKET	
						DOCUMENT NUMBER 1200808045	
						DOC TYPE PSD	
						DOC PART 000	
						SHEET NUMBER 1 OF 3	

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

OPTIONS

8 W X 0 3 2 X X X X X X X X

8W=M12 Standard  
M12 Ultra-Lock  
Double ended

Contacts:  
3=3 Contacts  
4=4 Contacts  
5=5 Contacts  
8=8 Contacts

Heads style:  
032=Plug Female Straight  
to Plug Male 90°

Cable type: See Table

Units:  
M=Meter  
C=Centimeter

Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 units

Overmold color:  
Blank (Standard)=Black  
A=Grey / G=Black / Y=Yellow  
  
H= 2 pcs. of I/D Carrier PVC Transparent



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	SHIELD
P02	3 / 4 / 5 / 8	0.25mm <sup>2</sup>	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm <sup>2</sup>	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

<p>QUALITY SYMBOLS</p> <p>FA = 0</p> <p>FE = 0</p> <p>FP = 0</p> <p>FV = 0</p> <p>FC = 0</p> <p>FX = 0</p> <p>FS = 0</p> <p>FV = 0</p>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	<p>2017/06/03</p> <p>AKONDRACIUK</p> <p>2017/06/07</p> <p>MIWASIECZKO</p>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE					
		ANGULAR TOL ± °		MM	1:1					
		4 PLACES ±		DRWN BY	DATE	<p>CSE U12 M12 XP AC FE STR MA RA XM</p>				
		3 PLACES ±		AKONDRACIUK	2017/06/03					
		2 PLACES ±		CHK'D BY	DATE					
	1 PLACE ±		APPR BY	DATE	<p>PRODUCT CUSTOMER DRAWING</p>					
	0 PLACES ±		MIWASIECZKO	2017/06/07						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	SERIES	MATERIAL NUMBER	CUSTOMER			
			A3		120080	SEE SHEET 3	GENERAL MARKET			
				DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER			
				1200808045	PSD	000	2 OF 3			

# PART LIST

No	Part No	Engineering No	Cable Length
1	1200808045	8W5032P03M010G	1m
2	1200808135	8W8032P02M015	1.5m
3	1200808159	8W8032P02M025	2.5m
4	1200808018	8W4032P03M020	2m
5	1200808019	8W4032P03M006	0.6m
6	1200808020	8W4032P03M010	1m
7	1200808021	8W4032P03M050	5m
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14			
15			
16			
17			
18			
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<b>QUALITY SYMBOLS</b> 	EC NO: 117790 DRWN: AKONDRACIUK CHK'D: MIWASIECZKO APPR: MIWASIECZKO	2017/06/03 2017/06/07	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE							
			ANGULAR TOL ± °		MM	1:1							
			4 PLACES ±	DRWN BY	DATE	CSE U12 M12 XP AC FE STR MA RA XM							
			3 PLACES ±	AKONDRACIUK	2017/06/03	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING					
			2 PLACES ±	MIWASIECZKO	2017/06/07	APPR BY	DATE	SERIES	MATERIAL NUMBER	CUSTOMER			
			1 PLACE ±					120080	SEE PART LIST	GENERAL MARKET			
			0 PLACES ±					DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			A3	THIRD ANGLE PROJECTION	1200808045	PSD	000	3 OF 3		