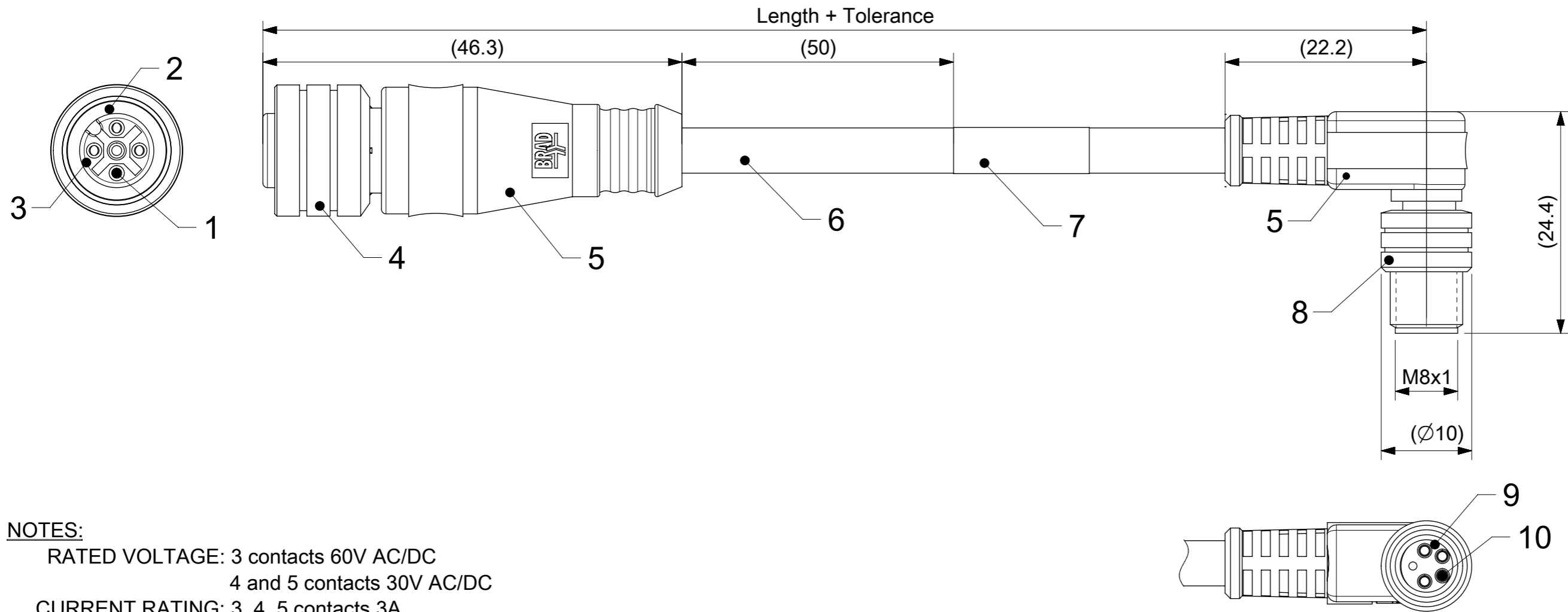


# FEMALE PLUG M12 STRAIGHT TO MALE PLUG M8 90°

REVISION A2 REMOVED OBSOLETE PN: 1200668546



**NOTES:**  
 RATED VOLTAGE: 3 contacts 60V AC/DC  
 4 and 5 contacts 30V AC/DC  
 CURRENT RATING: 3, 4, 5 contacts 3A  
 PROTECTION CLASS: IP 67  
 TEMPERATURE: -25°C / +80°C

**CONTACTS POSITION FRONT VIEW:**

	3 CONTACTS		4 CONTACTS		5 CONTACTS	
M8 - MALE						
M12 - FEMALE						
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN
	3	BLUE	2	WHITE	2	WHITE
	4	BLACK	3	BLUE	3	BLUE
			4	BLACK	4	BLACK
				5	GREY	

CODING M8 ACCORDING TO IEC 61076-2-104  
 CODING M12 ACCORDING TO IEC IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
10	3 / 4 / 5	CONTACT M8 MALE	BRASS	SELECTIVE Au OVER Ni
9	1	INSERT MALE M8 BLACK	TPU	---
8	1	COUPLING NUT M8 MALE	BRASS	NICKEL
7	1	LABEL YELLOW	VINYL	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT M12 FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE M12 BLACK	PUR	---
2	1	GASKET RED	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRASS	SELECTIVE Au OVER Ni

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS: mm SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± °

4 PLACES ± DRWN: SUGEEB 2021/02/24  
 3 PLACES ± CHK'D: GGA 2021/06/02  
 2 PLACES ± APPR: GGA 2021/06/02

EC NO: 662770  
 CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884

INITIAL REVISION:  
 DRWN: AKONDRACIUK 2017/02/18  
 APPR: MIWASIECZKO 2017/02/20

**molex**

CSE M12 M8 XP AC FE STR X MA RA XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200669202 DOC TYPE: PSD DOC PART: 000 REVISION: A2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING SERIES: A3-SIZE 120066 MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 3

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

OPTIONS

8 4 X 0 3 2 X X X X X X X X

48=Nano-Change  
M8x1 to  
Micro-Change  
M12x1

Poles:  
3=3 Poles  
4=4 Poles  
5=5 Poles

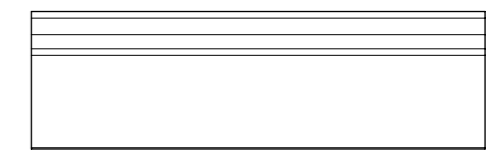
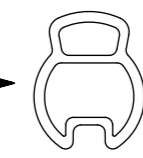
Heads style:  
030=Plug Female Straight  
to Plug Male Straight

Cable type: See Table

Units:  
M=Meter

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

Overmold color:  
Blank (Standard)=Black  
  
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
E02	3 / 4 / 5	0.25mm <sup>2</sup>	PVC Black	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C 10xO.D.	-10°C to +80°C 15xO.D.	-	-
P02	3 / 4 / 5	0.25mm <sup>2</sup>	PUR/PVC BLACK	-	-	-30°C to +80°C 7xO.D.	-5°C to +80°C 15xO.D.	-	-


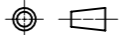
Over	Up to and including	Tolerance
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of length

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DIMENSION UNITS <b>mm</b>	SCALE <b>2:1</b>	CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884	<b>molex</b>		
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 662770			
ANGULAR TOL ± °		DRWN: SUGEEB 2021/02/24	PRODUCT CUSTOMER DRAWING		
4 PLACES ±		CHK'D: GGA 2021/06/02	DOCUMENT NUMBER		
3 PLACES ±		APPR: GGA 2021/06/02	1200669202		DOC PART REVISION
2 PLACES ±		INITIAL REVISION:	1200669202		PSD 000 A2
1 PLACE ±		DRWN: AKONDRACIUK 2017/02/18	MATERIAL NUMBER		SHEET NUMBER
0 PLACES ±		APPR: MIWASIECZKO 2017/02/20	SEE TABLE		2 OF 3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	SERIES	CUSTOMER	
		A3-SIZE	120066	GENERAL MARKET	

# PART LIST

No	Part No	Engineering No	Cable Length
1	1200668457	843032E02M002G	0.2m
2	1200668458	843032E02M003	0.3m
3	1200668459	843032E02M006	0.6m
4	1200668460	843032E02M020	2m
5	1200668461	843032E02M050	5m
6	1200668462	843032P02M006	0.6m
7	1200668463	843032P02M010	1m
8	1200668464	843032P02M020	2m
9	1200669202	844032P02M006	0.6m
10			
11			
12			
13			
14			
15			
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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETED PART NUMBERS AS PER PCN#506884									
mm	2:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)					CSE M12 M8 XP AC FE STR X MA RA XM						
ANGULAR TOL	± °				PRODUCT CUSTOMER DRAWING						
4 PLACES	±	EC NO: 662770			DOCUMENT NUMBER						
3 PLACES	±	DRWN: SUGEEB			2021/02/24			DOC TYPE		DOC PART	REVISION
2 PLACES	±	CHK'D: GGA			2021/06/02			PSD		000	A2
1 PLACE	±	APPR: GGA			2021/06/02						
0 PLACES	±	INITIAL REVISION:									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER				
			A3-SIZE	120066	SEE TABLE	GENERAL MARKET	3 OF 3				

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/02	05:45:44
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