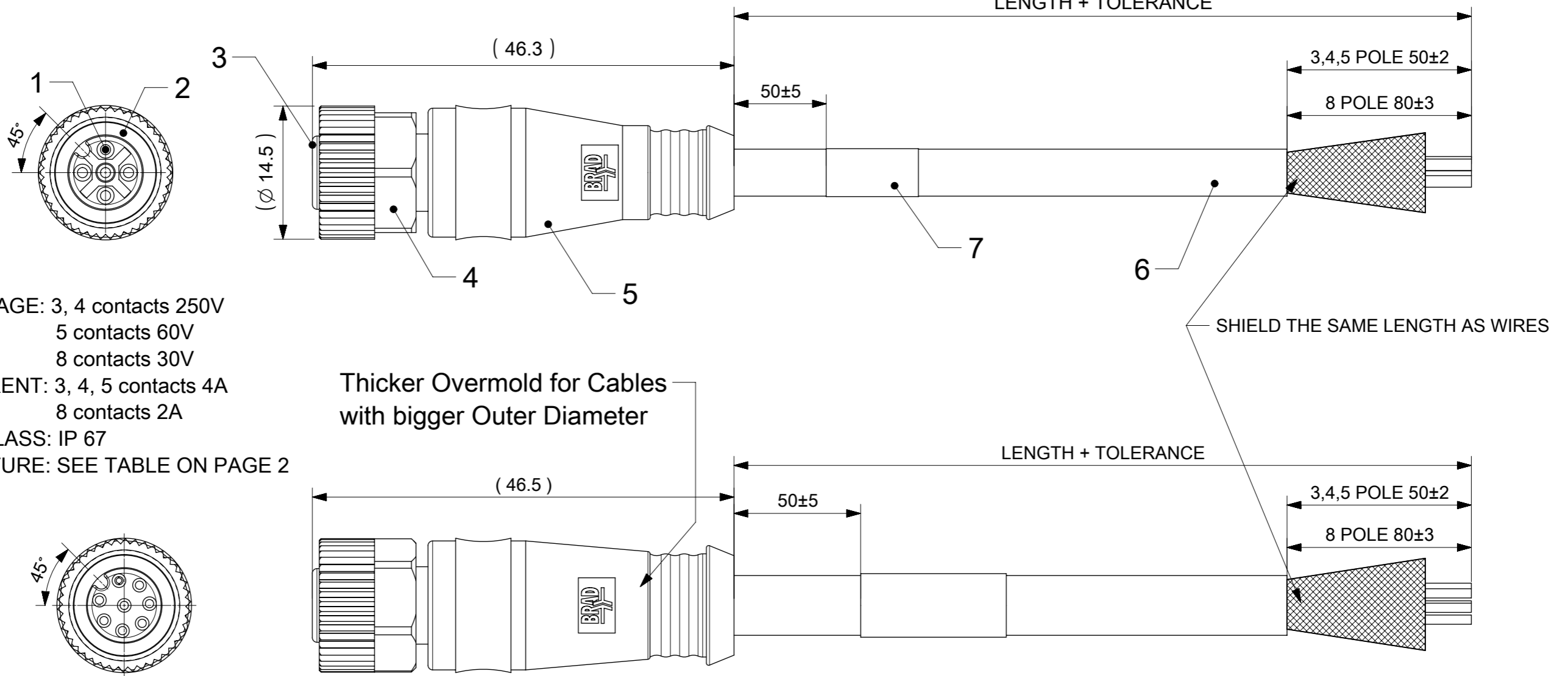


# FEMALE PLUG M12 STRAIGHT



**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  
 TEMPERATURE: SEE TABLE ON PAGE 2

## CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
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
SHIELD CONNECTED TO THE HOUSING							
CODING REQUIRED TO IEC 61076-2-101							

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

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

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		<b>molex</b>			
▽ = 0	mm	SCALE	2:1			CSE M12 XP AC FE STR WSOR XM SE SHLD BK	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		CURRENT REV DESC:		PRODUCT CUSTOMER DRAWING		
▽ = 0	ANGULAR TOL ± 1.0°		EC NO: 619029				DOCUMENT NUMBER
▽ = 0	4 PLACES ±		DRWN: AKONDRACIUK 2019/06/13		1200698487		
▽ = 0	3 PLACES ±		CHK'D: DSTACHOWIAK 2019/06/14				DOC TYPE DOC PART REVISION
▽ = 0	2 PLACES ± 0.05		APPR: DSTACHOWIAK 2019/06/14		PSD 00P A2		
▽ = 0	1 PLACE ± 0.3		INITIAL REVISION:				MATERIAL NUMBER
▽ = 0	0 PLACES ± 0.5		DRWN: AKONDRACIUK 2017/05/26		CUSTOMER		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: MIWASIECZKO 2017/06/06				SHEET NUMBER
▽ = 0	THIRD ANGLE PROJECTION		DRAWING		GENERAL MARKET		
		A3-SIZE		SERIES			1 OF 3
				120069			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

OPTIONS

8 0 X S 0 0 X X X X X X X X

80=M12x1  
Single ended

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

Heads style:  
S00=Plug Female  
Straight Shield

Cable type: See Table

Units:  
M=Meter  
C=Centimeter

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

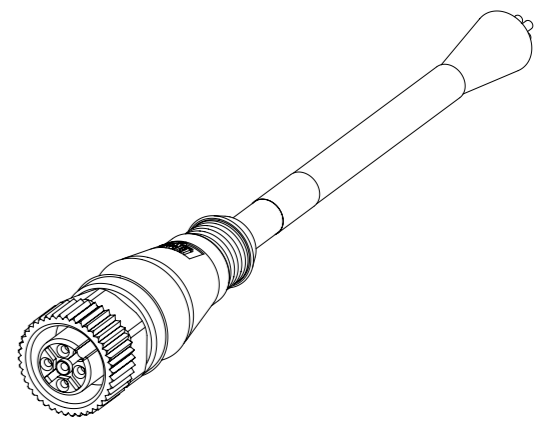
H= 2 pcs. of I/D Carrier  
PVC Transparent



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
BS1	3 / 4 / 5	0.34mm <sup>2</sup>	TPU Black	STYLE 21215	YES	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	BRAID
BS2	8	0.25mm <sup>2</sup>	TPU Black	STYLE 21215	YES	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	5 mio cycles	BRAID

FOR RAW CABLE SPECIFICATION SEE SD-120209-003



SCALE 1:1

OVER	UP TO AND INCLUDING	TOLERANCE
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1% OF LENGTH

<b>SYMBOLS</b> DIMENSION UNITS: mm SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING: A3-SIZE SERIES: 120069	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		CURRENT REV DESC: EC NO: 619029 DRWN: AKONDRACIUK 2019/06/13 CHK'D: DSTACHOWIAK 2019/06/14 APPR: DSTACHOWIAK 2019/06/14			
	PRODUCT CUSTOMER DRAWING				CSE M12 XP AC FE STR WSOR XM SE SHLD BK	
	INITIAL REVISION: DRWN: AKONDRACIUK 2017/05/26 APPR: MIWASIECZKO 2017/06/06		DOCUMENT NUMBER: 1200698487		DOC TYPE: PSD DOC PART: 00P REVISION: A2	
	MATERIAL NUMBER: 120069		CUSTOMER: GENERAL MARKET		SHEET NUMBER: 2 OF 3	

# PART LIST

No	Part No	Engineering No	Cable Length
1	1200698487	804S00BS1M050	5m
2	1200698538	805S00BS1M050	5m
3	1200698539	805S00BS1M100	10m
4	1200698540	808S00BS2M100	10m
5	1200698556	804S00BS1M100	10m
6	1200698557	804S00BS1M150	15m
7	1200698558	804S00BS1M200	20m
8	1200698591	803S00BS1M010	1m
9	1200698592	803S00BS1M020	2m
10	1200698593	803S00BS1M050	5m
11	1200698594	803S00BS1M100	10m
12	1200698595	804S00BS1M010	1m
13	1200698596	804S00BS1M020	2m
14	1200698597	805S00BS1M010	1m
15	1200698598	805S00BS1M020	2m
16	1200698599	808S00BS2M010	1m
17	1200698600	808S00BS2M020	2m
18	1200698601	808S00BS2M050	5m
19	1200698725	804S00BS1M030	3m
20	1200698727	805S00BS1M030	3m
21	1200698756	805S00BS1M015	1.5m
22	1200699007	804S00BS1M250	25m
23	1200699057	805S00BS1M200	20m
24	1200699058	805S00BS1M300	30m
25	1200699059	805S00BS1M500	50m
26	1200699307	808S00BS2M070	7m
27	1200699457	804S00BS1M040	4m
28	1200699479	808S00BS2M200	20m
29	1200699595	808S00BS2M150	15m
30	1200699596	805S00BS1M150	15m
31			
32			
33			
34			
35			

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
	<b>mm</b>	<b>1:1</b>
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	ANGULAR TOL ± 1.0°	
	4 PLACES ±	
	3 PLACES ±	
	2 PLACES ± 0.05	
	1 PLACE ± 0.3	
	0 PLACES ± 0.5	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	THIRD ANGLE PROJECTION	DRAWING
	SERIES	MATERIAL NUMBER
	CUSTOMER	SHEET NUMBER
	A3-SIZE	120069

CURRENT REV DESC:			
<b>molex</b>			
CSE M12 XP AC FE STR WSOR XM SE SHLD BK			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200698487	PSD	00P	A2
EC NO: 619029	DRWN: AKONDRACIUK	2019/06/13	
CHK'D: DSTACHOWIAK	2019/06/14		
APPR: DSTACHOWIAK	2019/06/14		
INITIAL REVISION:	DRWN: AKONDRACIUK	2017/05/26	
	APPR: MIWASIECZKO	2017/06/06	

DOCUMENT STATUS	P1	RELEASE DATE	2019/06/14	09:38:42
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