

# FEMALE PLUG M8 STRAIGHT



**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

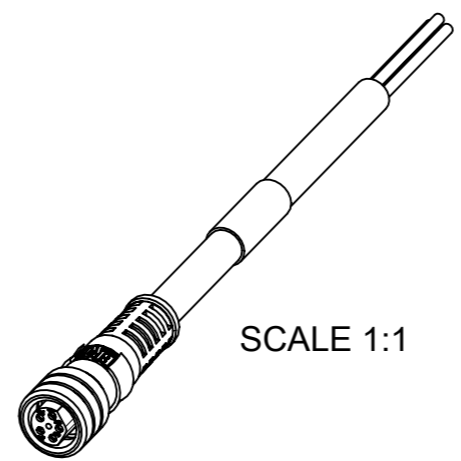
CONTACTS POSITION FRONT VIEW:

		3 CONTACTS		4 CONTACTS		5 CONTACTS	
FEMALE							
	PIN	WIRE	PIN	WIRE	PIN	WIRE	
	1	BROWN	1	BROWN	1	BROWN	
	3	BLUE	2	WHITE	2	WHITE	
	4	BLACK	3	BLUE	3	BLUE	
CONNECTIONS			4	BLACK	4	BLACK	
					5	GREY	

CODING ACCORDING TO IEC 61076-2-104

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
8	2	I/D CARRIER (SEE MATRIX)	---	---
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES Ixx	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING	TPU	SEE SHEET 2
4	1	COUPLING NUT M8 FEMALE	BRASS	SEE SHEET 2
3	1	INSERT FEMALE BLACK	TPU	---
2	1	O-RING RED	FKM	---
1	3 / 4 / 5	CONTACT M8 FEMALE	COPPER	SELECTIVE Au OVER Ni



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MATRIX UPDATED	
△/A = 0	DIMENSION UNITS	SCALE		
△/E = 0	mm	2:1		
△/V = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	ANGULAR TOL	± °		
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 670691	
	3 PLACES	±	DRWN: RSCHIEBER	2021/07/19
	2 PLACES	±	CHK'D: RSILLER	2021/07/19
	1 PLACE	±	APPR: RSILLER	2021/07/19
	0 PLACES	±	INITIAL REVISION:	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRWING	SERIES
			A3-SIZE	120086
			MATERIAL NUMBER	CUSTOMER
			SEE SHEET 3-4	GENERAL MARKET
			DOCUMENT NUMBER	DOC TYPE DOC PART REVISION
			1200860594	PSD 000 A8
				SHEET NUMBER
				1 OF 4

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

## OPTIONS

4 0 X 0 0 0 X X X X X X X X X

40=Nano-Change  
M8x1  
Double ended

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

Heads style:  
000=Plug Female Straight

Cable type: See Table

Units:  
M=Meter  
C=Centimeter

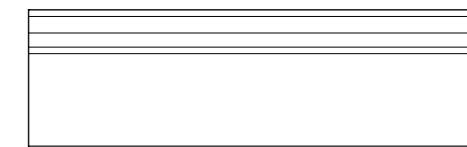
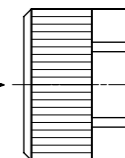
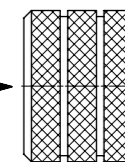
Length  
Examples:  
005=0.5 unit  
010=1 unit  
100=10 unit

Overmold color:  
Blank (Standard) = Black  
A = Grey / G = Black / Y = Yellow  
For cables K03, K05, A09, S19,  
S20, S26 & A10 = Yellow

Coupling Nut material:  
Blank = Standard  
1 = Stainless steel  
2 = Nylon  
3 = Nickel plated Brass  
4 = Valox (polyester)  
5 = Delrin  
6 = clear anodized alum.  
7 = Teflon coat  
Blank = 7 for cables: I20, I26, K03, K05, P82, S26  
8 = Type 316 stainless steel  
9 = Knurled / Hexagonal SW9 Brass Ni Plated

H = 2 pcs. of I/D Carrier PVC Transparent  
(Cables lxx & P82 always with 2 pcs. of I/D Carrier)

COUPLING NUT  
FEMALE



## 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°C/300V	-30°C to +80°C, >10xO.D.	-10°C to +80°C, >15xO.D.	-	-
E18	3 / 4	0.20mm <sup>2</sup>	PVC YELLOW	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E51	4	0.25mm <sup>2</sup>	PVC GREY	-	-	-	-	-	-
E52	3 / 4 / 8	0.34mm <sup>2</sup>	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E54	3	0.25mm <sup>2</sup>	PVC GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
H08	3 / 4 / 5	0.25mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, >5xO.D.	-25°C to +80°C, >10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm <sup>2</sup>	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, >5xO.D.	-25°C to +80°C, >10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H69	4	0.20mm <sup>2</sup>	PUR GRAY LS0H	-	-	-	-	-	-
I02	3 / 4	0.25mm <sup>2</sup>	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
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.	-	-
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.	-	-
P18	4	0.20mm <sup>2</sup>	PUR YELLOW	-	-	-	-	-	-
P82	3	0.34mm <sup>2</sup>	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
K05	3 / 4 / 5	0.34mm <sup>2</sup>	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
L03	3	0.34mm <sup>2</sup>	Blend PUR ORANGE	-	-	-30°C to +90°C	-5°C to +90°C	-	-
A10	3 / 4 / 5	0.25mm <sup>2</sup>	PVC YELLOW	UL 2661	I/II A/B 105°C/300V	-	-	-	-

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: MATRIX UPDATED					
$\nabla_A = 0$ $\nabla_E = 0$ $\nabla_V = 0$	DIMENSION UNITS <b>mm</b>	SCALE <b>2:1</b>	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±			EC NO: 670691 DRWN: RSCHIEBER 2021/07/19 CHK'D: RSILLER 2021/07/19 APPR: RSILLER 2021/07/19		
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING <b>A3-SIZE</b>	SERIES <b>120086</b>	MATERIAL NUMBER <b>SEE SHEET 3-4</b>	CUSTOMER <b>GENERAL MARKET</b>	SHEET NUMBER <b>2 OF 4</b>



# PART LIST

Pos.	Part. No	Engineering No	Cable Length
141	1200860340	403000K05M050	5m
142	1200868431	403000K05M150	15m
143	1200270642	403000L03M005A	0.5m
144	1200270080	403000I02M003	0.3m
145	1200270081	403000I02M020	2m
146	1200270082	403000I02M030	3m
147	1200270083	403000I02M050	5m
148	1200270084	403000I02M100	10m
149	1200270148	404000I02M020	2m
150	1200270149	404000I02M050	5m
151	1200270360	404000I02M100	10m
152	1200860041	404000I02M030	3m
153	1200868269	403000I02M005	0.5m
154	1200868270	403000I02M006	0.6m
155	1200868271	403000I02M010	1m
156	1200868272	403000I02M025	2.5m
157	1200868273	403000I02M150	15m
158	1200868349	404000I02M003	0.3m
159	1200868350	404000I02M050G	5m
160	1200868445	403000I02M030Y	3m
161	1200868446	403000I02M050Y	5m
162	1200868447	403000I02M100Y	10m
163	1200868455	404000I02M020Y	2m
164	1200868456	404000I02M050Y	5m
165	1200868460	404000I02M100Y	10m
166	1200868507	403000I02M020Y	2m
167	1200868566	404000I02M030Y	3m
168	1200270147	404000H69M020	2m
169	1200868100	404000H69M100	10m
170	1200868184	404000H69M010	1m
171	1200270445	404000H69M050	5m
172	1200271440	403000H69M050	5m
173	1200271441	403000H69M020	2m
174	1200270032	403000P82M050	5m
175	1200271042	404000P82M0207	2m

Pos.	Part. No	Engineering No	Cable Length
176	1200271180	403000P82M020	2m
177	1200271305	404000P82M050	5m
178	1200271450	404000P82M0507	5m
179	1200868183	403000P82M0507	5m
180	1200868192	403000P82M0207	2m
181	1200868212	403000P82M005	0.5m
182	1200868213	404000P82M005	0.5m
183	1200868232	404000P82M010	1m
184	1200868233	403000P82M010	1m
185	1200868420	403000P82M1007	10m
186	1200868461	404000P82M0207Y	2m
187	1200868470	403000P82M0207Y	2m
188	1200868481	404000P82M010Y	1m
189	1200868482	403000P82M010Y	1m
190	1200868567	404000P82M0307Y	3m
191	1200868602	404000P82M050Y	5m
192	1200270341	404000P18M050	5m
193	1200270346	404000P18M100	10m
194	1200270863	404000P18M005	0.5m
195	1200271449	403000P18M070	7m
196	1200860101	403000A10M015	1.5m
197	1200860102	403000A10M020	2m
198	1200860107	403000A10M050	5m
199	1200860111	403000A10M100	10m
200	1200860112	403000A10M150	15m
201	1200860144	404000A10M020	2m
202	1200860145	404000A10M030	3m
203	1200860147	404000A10M050	5m
204	1200860155	404000A10M100	10m
205	1200860191	405000A10M020	2m
206	1200270140	404000E18M050	5m
207	1200270581	403000E18M020	2m
208	1200270606	403000E18M100	10m
209	1200868017	403000E18M050	5m
210	1200868028	404000E18M020	2m

Pos.	Part. No	Engineering No	Cable Length
211	1200868029	404000E18M030	3m
212	1200270078	403000E54M050A	5m
213	1200868018	403000E54M030A	3m
214	1200270143	404000E51M020A	2m
215	1200270145	404000E51M050A	5m
216	1200860667	405000P02M200	20m
217	1200868849	405000H08M010	1m
218	1200868857	405000E02M010	1m
219	1200868934	404000H08M050H	5m
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<b>FUNCTIONAL SYMBOLS</b> $\nabla_A = 0$ $\nabla_E = 0$ $\nabla_P = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: <b>mm</b> SCALE: <b>1:1</b>		CURRENT REV DESC: MATRIX UPDATED	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		<b>molex</b>  M8 SINGLE ENDED FEMALE STRAIGHT	
	ANGULAR TOL ± °			
	<b>DIVISIONAL SYMBOLS</b>		EC NO: 670691 DRWN: RSCHIEBER    2021/07/19 CHK'D: RSILLER    2021/07/19 APPR: RSILLER    2021/07/19	
4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±		INITIAL REVISION: DRWN: AKONDRACIUK    2017/02/16 APPR: MIWASIECZKO    2017/11/16		DOCUMENT NUMBER <b>1200860594</b>
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING <b>A3-SIZE</b>	SERIES <b>120086</b>
		MATERIAL NUMBER SEE SHEET 3-4	CUSTOMER GENERAL MARKET	DOC TYPE DOC PART REVISION PSD 000 <b>A8</b>
		SHEET NUMBER 4 OF 4		

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/19	14:40:35
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