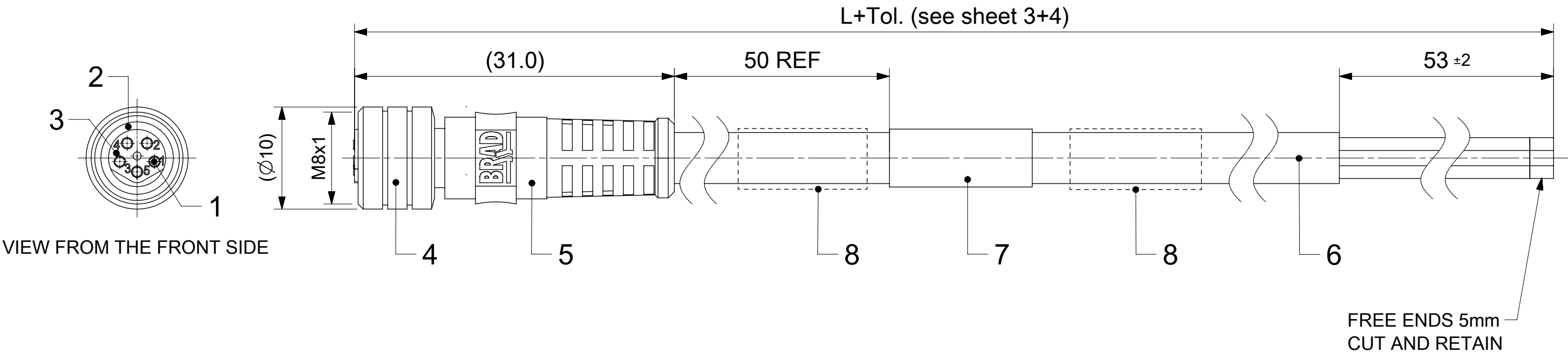


FEMALE PLUG M8 STRAIGHT



NOTES:

RATED VOLTAGE: 3 contacts 60V AC/DC
4 and 5 contacts 30V AC/DC

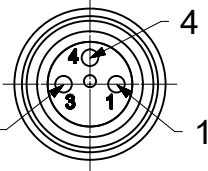
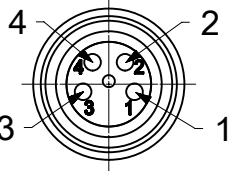
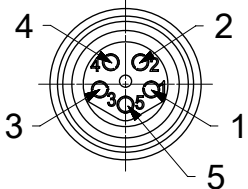
CURRENT RATING: 3, 4, 5 contacts 3A

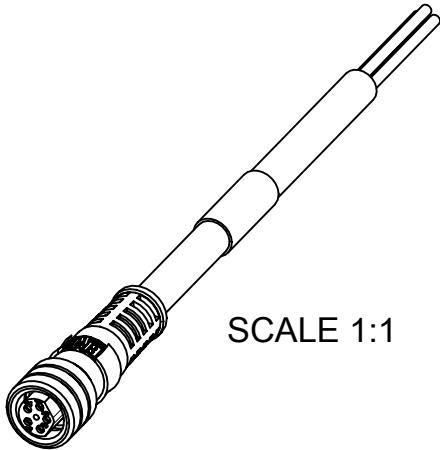
PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

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
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

CONTACTS POSITION FRONT VIEW:							
		3 CONTACTS		4 CONTACTS		5 CONTACTS	
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 ACCORDING TO IEC 61076-2-104							



FUNCTIONAL SYMBOLS E_A = 0 E_F = 0 E_F = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: MATRIX UPDATED			molex					
	mm		2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)							M8 SINGLE ENDED FEMALE STRAIGHT					
	ANGULAR TOL ± °												
	4 PLACES		±								PRODUCT CUSTOMER DRAWING		
	3 PLACES		±										
	2 PLACES		±										
	1 PLACE		±		DOCUMENT NUMBER 1200860594			DOC TYPE	DOC PART	REVISION			
	0 PLACES		±					PSD	000	A8			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
						A3-SIZE	120086	SEE SHEET 3-4		GENERAL MARKET		1 OF 4	
				EC NO: 670691									
				DRWN: RSCHIEBER		2021/07/19							
				CHK'D: RSILLER		2021/07/19							
				APPR: RSILLER		2021/07/19							
				INITIAL REVISION:									
				DRWN: AKONDRACIUK		2017/02/16							
				APPR: MIWASIECZKO		2017/11/16							

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

OPTIONS

4

0

X

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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

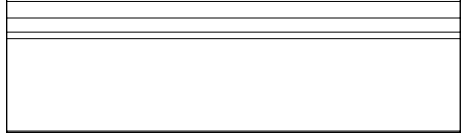
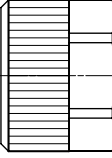
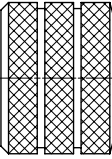
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

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	0.25mm²	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	0.20mm²	PVC YELLOW	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E51	4	0.25mm²	PVC GREY	-	-	-	-	-	-
E52	3 / 4 / 8	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
E54	3	0.25mm²	PVC GREY	-	-	-25°C to +70°C	-5°C to +70°C	-	-
H08	3 / 4 / 5	0.25mm²	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	0.34mm²	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	0.20mm²	PUR GRAY LS0H	-	-	-	-	-	-
I02	3 / 4	0.25mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
P02	3 / 4 / 5	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P18	4	0.20mm²	PUR YELLOW	-	-	-	-	-	-
P82	3	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
L03	3	0.34mm²	Blend PUR ORANGE	-	-	-30°C to +90°C	-5°C to +90°C	-	-
A10	3 / 4 / 5	0.25mm²	PVC YELLOW	UL 2661	I/II A/B 105°C/300V	-	-	-	-

FUNCTIONAL SYMBOLS
FA= 0
FE= 0
FE= 0
DIVISIONAL 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

EC NO: 670691
DRWN: RSCHIEBER 2021/07/19
CHK'D: RSILLER 2021/07/19
APPR: RSILLER 2021/07/19

INITIAL REVISION:
DRWN: AKONDRACIUK 2017/02/16
APPR: MIWASIECZKO 2017/11/16

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
THIRD ANGLE PROJECTION
DRAWING A3-SIZE
SERIES 120086
MATERIAL NUMBER SEE SHEET 3-4
CUSTOMER GENERAL MARKET
SHEET NUMBER 2 OF 4

molex

M8 SINGLE ENDED FEMALE STRAIGHT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER 1200860594
DOC TYPE PSD
DOC PART 000
REVISION A8

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

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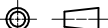
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PART LIST

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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FUNCTIONAL SYMBOLS F A = 0 F E = 0 F D = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: MATRIX UPDATED				molex M8 SINGLE ENDED FEMALE STRAIGHT						
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 670691 DRWN: RSCHIEBER2021/07/19 CHK'D: RSILLER2021/07/19 APPR: RSILLER2021/07/19								PRODUCT CUSTOMER DRAWING		
	ANGULAR TOL ± °														
	4 PLACES		±												
	3 PLACES		±												
	2 PLACES		±												
	1 PLACE		±		INITIAL REVISION: DRWN: AKONDRACIUK2017/02/16 APPR: MIWASIECZKO2017/11/16				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120086		SEE SHEET 3-4		GENERAL MARKET		4 OF 4	