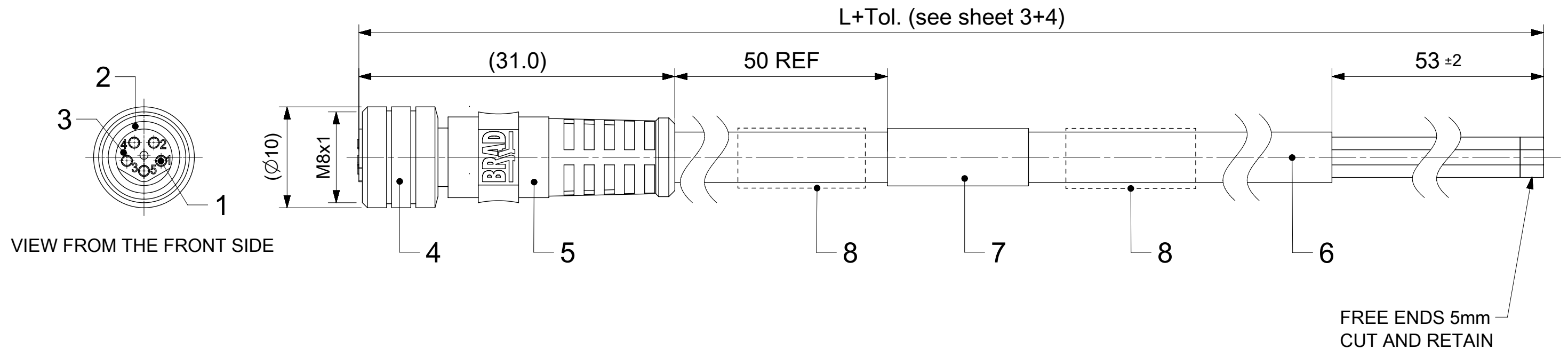


FEMALE PLUG M8 STRAIGHT



NOTES:

RATED VOLTAGE: 3 contacts 60V AC/DC

4 and 5 contacts 30V AC/DC

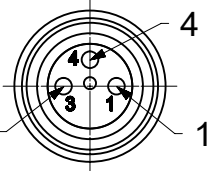
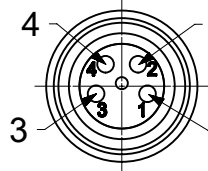
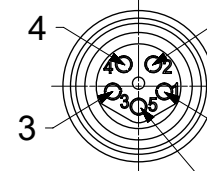
CURRENT RATING: 3, 4, 5 contacts 3A

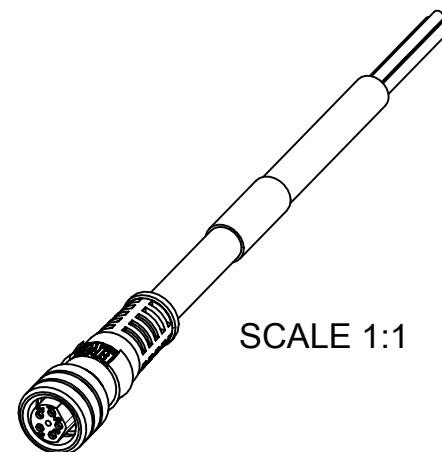
PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

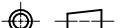
CONTACTS POSITION FRONT VIEW:

	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						



FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

8	2	I/D CARRIER (SEE MATRIX)	---	---
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES 1xx	---	---
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

FUNCTIONAL 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: PACKAGING SPEC ADDED, NEW P/N'S ADDED							
		mm	2:1								
		GENERAL TOLERANCES (UNLESS SPECIFIED)									
		ANGULAR TOL ± 1.0 °									
DIVISIONAL SYMBOLS		4 PLACES	±	EC NO: 770174 DRWN: RSCHIEBER 2023/10/18 CHK'D: RSILLER 2023/11/30 APPR: RSILLER 2023/11/30 INITIAL REVISION: DRWN: AKONDRACIUK 2017/02/16 APPR: MIWASIECZKO 2017/11/16							
		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	120086	SEE PART LIST		GENERAL MARKET		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

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

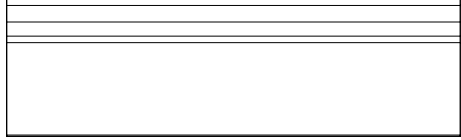
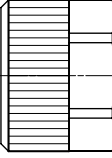
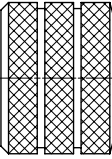
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

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
DIMENSION UNITS: mm
SCALE: 2:1
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

CURRENT REV DESC: PACKAGING SPEC ADDED, NEW P/N'S ADDED
EC NO: 770174
DRWN: RSCHIEBER 2023/10/18
CHK'D: RSILLER 2023/11/30
APPR: RSILLER 2023/11/30
INITIAL REVISION:
DRWN: AKONDRACIUK 2017/02/16
APPR: MIWASIECZKO 2017/11/16
THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 120086

molex

M8 SINGLE ENDED FEMALE STRAIGHT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1200860594
DOC TYPE: PSD
DOC PART: 000
REVISION: A10
MATERIAL NUMBER: SEE PART LIST
CUSTOMER: GENERAL MARKET
SHEET NUMBER: 2 OF 4

DOCUMENT STATUS: P1
RELEASE DATE: 2023/11/30 13:30:50

987654321

FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01

987654321

10	9	8	7	6	5	4	3	2	1
PART LIST									
Pos.	Part. No	Engineering No	Cable Length	Pos.	Part. No	Engineering No	Cable Length		
141	1200270084	403000I02M100	10m	176	1200860145	404000A10M030	3m		
142	1200270148	404000I02M020	2m	177	1200860147	404000A10M050	5m		
143	1200270149	404000I02M050	5m	178	1200860155	404000A10M100	10m		
144	1200270360	404000I02M100	10m	179	1200860191	405000A10M020	2m		
145	1200860041	404000I02M030	3m	180	1200270140	404000E18M050	5m		
146	1200868269	403000I02M005	0.5m	181	1200270581	403000E18M020	2m		
147	1200868270	403000I02M006	0.6m	182	1200270606	403000E18M100	10m		
148	1200868271	403000I02M010	1m	183	1200860667	405000P02M200	20m		
149	1200868272	403000I02M025	2.5m	184	1200868849	405000H08M010	1m		
150	1200868273	403000I02M150	15m	185	1200868857	405000E02M010	1m		
151	1200868349	404000I02M003	0.3m	186	1200868934	404000H08M050H	5m		
152	1200868445	403000I02M030Y	3m	187	1200869026	404000H09M005	0.5m	A10	
153	1200868446	403000I02M050Y	5m	188					
154	1200868447	403000I02M100Y	10m	189					
155	1200868455	404000I02M020Y	2m	190					
156	1200868456	404000I02M050Y	5m	191					
157	1200868460	404000I02M100Y	10m	192					
158	1200868507	403000I02M020Y	2m	193					
159	1200868566	404000I02M030Y	3m	194					
160	1200270032	403000P82M050	5m	195					
161	1200271180	403000P82M020	2m	196					
162	1200868183	403000P82M0507	5m	197					
163	1200868192	403000P82M0207	2m	198					
164	1200868212	403000P82M005	0.5m	199					
165	1200868233	403000P82M010	1m	200					
166	1200868420	403000P82M1007	10m	201					
167	1200868470	403000P82M0207Y	2m	202					
168	1200868482	403000P82M010Y	1m	203					
169	1200271449	403000P18M070	7m	204					
170	1200860101	403000A10M015	1.5m	205					
171	1200860102	403000A10M020	2m	206					
172	1200860107	403000A10M050	5m	207					
173	1200860111	403000A10M100	10m	208					
174	1200860112	403000A10M150	15m	209					
175	1200860144	404000A10M020	2m	210					
</									