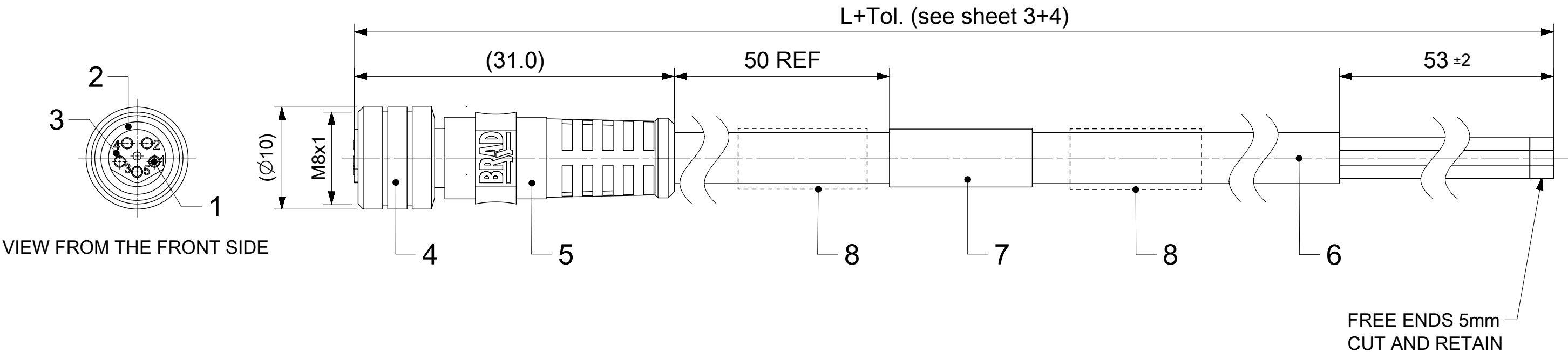


FEMALE PLUG M8 STRAIGHT



NOTES:

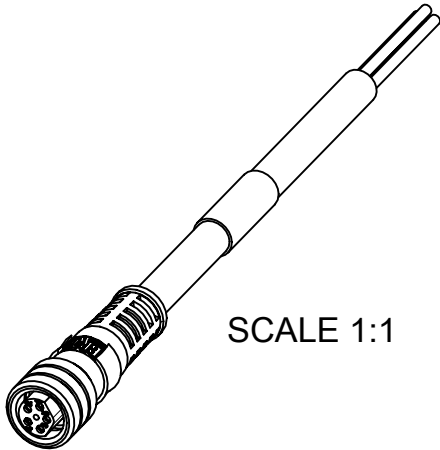
RATED VOLTAGE: 3 contacts 60V AC/DC
4 and 5 contacts 30V AC/DC

CURRENT RATING: 3, 4, 5 contacts 3A

PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

		3 CONTACTS		4 CONTACTS		5 CONTACTS	
FEMALE	CONTACTS POSITION FRONT VIEW:						
	PIN	1	2	3	4	5	
	WIRE	BROWN	WHITE	BLUE	BLACK	GREY	
	CONNECTIONS						
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 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

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: OBSOLETE PART NUMBERS AS PER PCN#510807.											
mm		2:1		molex M8 SINGLE ENDED FEMALE STRAIGHT PRODUCT CUSTOMER DRAWING											
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL		± °													
4 PLACES		±													
3 PLACES		±		EC NO: 726454		2022/09/28									
2 PLACES		±		DRWN: LIKITV		2022/11/30									
1 PLACE		±		CHK'D: GGA		2022/11/30									
0 PLACES		±		APPR: GGA											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER							
				A3-SIZE		120086		1200860594							
								PSD							
								000							
								A9							
								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

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

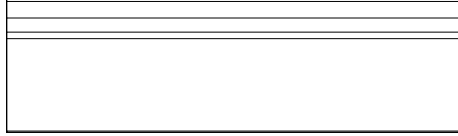
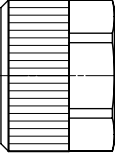
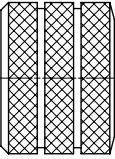
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

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 Ixx & 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	-	-	-	-

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DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: OBSOLETED PART NUMBERS AS PER PCN#510807.

EC NO: 726454
DRWN: LIKITV
CHK'D: GGA
APPR: GGA

INITIAL REVISION:
DRWN: AKONDRACIUK
APPR: MIWASIECZKO

THIRD ANGLE PROJECTION

DRAWING A3-SIZE

SERIES 120086

MATERIAL NUMBER SEE PART LIST

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 A9

DATE: 2021/05/01

REVISION: J1

FORMAT: master-b-prod-A3

DOCUMENT STATUS

P1

RELEASE DATE

2022/11/30

11:33:51

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PART LIST																
F	Pos.	Part. No	Engineering No.	Cable Length	Pos.	Part. No	Engineering No.	Cable Length	Pos.	Part. No	Engineering No.	Cable Length	Pos.	Part. No	Engineering No.	Cable Length
	1	1200270066	403000E02M020	2m	36	1200868266	403000E02M045	4.5m	71	1200271409	403000H08M010	1m	106	1200868275	403000P02M002	0.2m
	2	1200270067	403000E02M030	3m	37	1200868267	403000E02M0501	5m	72	1200271442	403000H08M020G	2m	107	1200868276	403000P02M002G	0.2m
	3	1200270068	403000E02M050	5m	38	1200868268	403000E02M060	6m	73	1200868045	403000H08M020	2m	108	1200868277	403000P02M003	0.3m
	4	1200270070	403000E02M100	10m	39	1200868339	404000E02C200	2m	74	1200868053	404000H08M050	5m	109	1200868278	403000P02M003G	0.3m
	5	1200270127	404000E02M020	2m	40	1200868340	404000E02M015	1.5m	75	1200868060	404000H08M030	3m	110	1200868279	403000P02M005	0.5m
	6	1200270129	404000E02M050	5m	41	1200868341	404000E02M0201	2m	76	1200868101	403000H08M050	5m	111	1200868280	403000P02M006	0.6m
	7	1200270131	404000E02M100	10m	42	1200868342	404000E02M040	4m	77	1200868115	403000H08M100	10m	112	1200868281	403000P02M010	1m
	8	1200270132	404000E02M150	15m	43	1200868343	404000E02M0501	5m	78	1200868116	403000H08M200	20m	113	1200868282	403000P02M012	1.2m
	9	1200270133	404000E02M200	20m	44	1200868344	404000E02M080	8m	79	1200868117	404000H08M100	10m	114	1200868283	403000P02M018	1.8m
E	10	1200270400	403000E02M010	1m	45	1200868345	404000E02M110	11m	80	1200868118	404000H08M200	20m	115	1200868284	403000P02M022	2.2m
	11	1200270549	404000E02M010	1m	46	1200868346	404000E02M170	17m	81	1200868122	403000H08M030	3m	116	1200868285	403000P02M030	3m
	12	1200271410	403000E02M012	1.2m	47	1200868347	404000E02M210	21m	82	1200868162	404000H08M040	4m	117	1200868286	403000P02M032	3.2m
	13	1200271417	403000E02M006	0.6m	48	1200868348	404000E02M250	25m	83	1200868207	404000H08M020	2m	118	1200868287	403000P02M035	3.5m
	14	1200271418	403000E02M015	1.5m	49	1200868423	403000E02M1001	10m	84	1200868209	403000H08M015	1.5m	119	1200868288	403000P02M040	4m
	15	1200271419	403000E02M025	2.5m	50	1200868442	403000E02M020Y	2m	85	1200868214	403000H08M005	0.5m	120	1200868289	403000P02M050G	5m
	16	1200271423	404000E02M005	0.5m	51	1200868443	403000E02M050Y	5m	86	1200868215	404000H08M005	0.5m	121	1200868290	403000P02M055	5.5m
	17	1200865038	403000E02M250	25m	52	1200868444	403000E02M100Y	10m	87	1200868395	405000H08M020	2m	122	1200868291	403000P02M080	8m
	18	1200868015	403000E02M200	20m	53	1200868452	404000E02M050Y	5m	88	1200868404	405000H08M050	5m	123	1200868292	403000P02M150	15m
	19	1200868067	404000E0													

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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					
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					

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DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

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DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

CURRENT REV DESC: OBSOLETED PART NUMBERS
AS PER PCN#510807.

EC NO: 726454
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CHK'D: GGA
APPR: GGA

INITIAL REVISION:
DRWN: AKONDRACIUK
APPR: MIWASIECZKO

THIRD ANGLE PROJECTION

2022/09/28
2022/11/30
2022/11/30

2017/02/16
2017/11/16

DRAWING
A3-SIZE

SERIES
120086

DOCUMENT NUMBER
1200860594

MATERIAL NUMBER
SEE PART LIST

DOC TYPE
PSD

DOC PART
000

REVISION
A9

CUSTOMER
GENERAL MARKET

SHEET NUMBER
4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2022/11/30

11:33:51

FORMAT: master-b-prod-A3
REVISION: J1
DATE: 2021/05/01

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