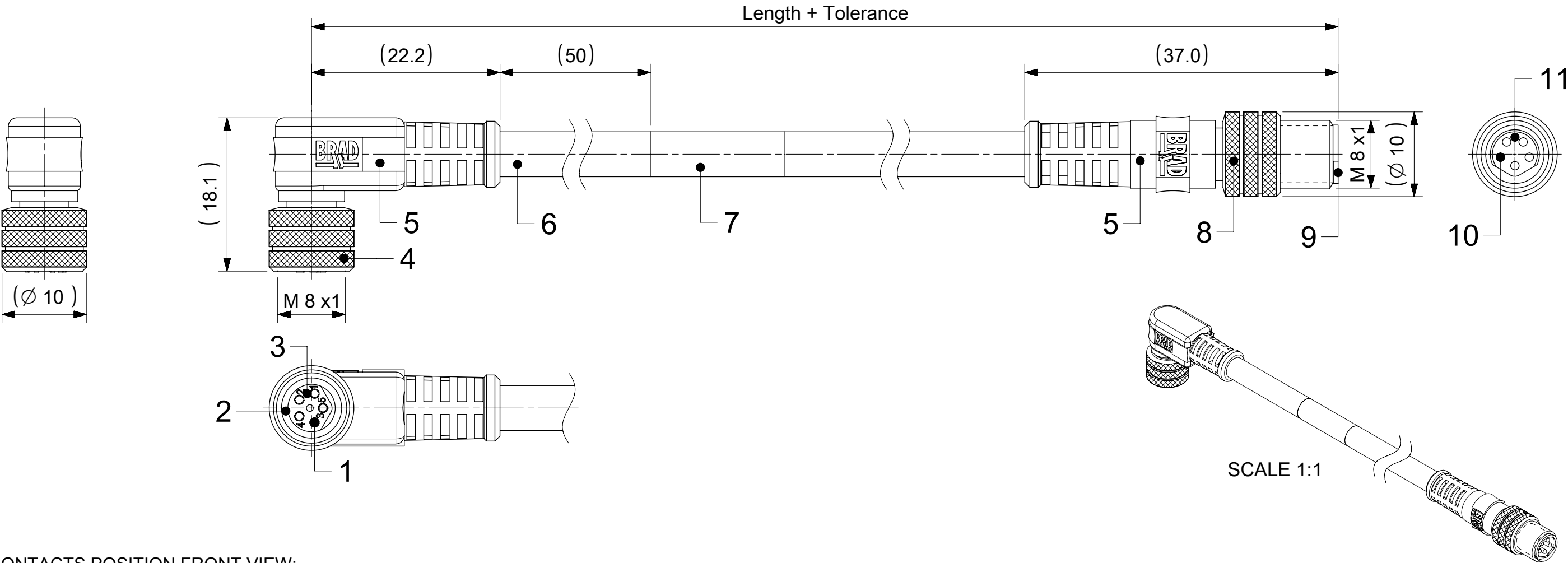


FEMALE PLUG M8 90° ANGLED TO MALE PLUG M8 STRAIGHT



CONTACTS POSITION FRONT VIEW:

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

NOTES:

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

CURRENT RATING: 3, 4, 5 contacts 3A

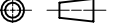
PROTECTION CLASS: IP 67

TEMPERATURE: -25°C / +80°C

PACKAGING ACCORDING TO PACKAGING SPEC. 1201202000

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	1	INSERT MALE BLACK	TPU	---
10	3 / 4 / 5	CONTACT M8 MALE	BRASS	SELECTIVE Au OVER Ni
9	1	SLEEVE	BRASS	NICKEL
8	1	COUPLING NUT M8 MALE	BRASS	NICKEL
7	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT M8 FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	TPU	---
2	1	O-RING RED	FKM	---
1	3 / 4 / 5	CONTACT M8 FEMALE	BRASS	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															
FA = 0 FE = 0 FF = 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: PACKAGING SPEC ADDED											
		mm		2:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
DIVISIONAL SYMBOLS		ANGULAR TOL		± 1.0 °		CSE M8 M8 XP AC BC FE RA MA STR XM											
		4 PLACES		±								PRODUCT CUSTOMER DRAWING					
		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		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
				A3-SIZE		120087		1200878243		PSD		000		A5			
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
								SEE PART LIST		GENERAL MARKET		1 OF 3					

ENGINEERING NO. - NUMERICAL CODE

(Available parts see PART LIST table. Other parts available upon request).

OPTIONS

4

4

X

0

3

1

X

X

X

X

X

X

X

X

44=Nano-Change
M8x1
Double ended

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

Heads style:
031=Plug Female 90°
to Plug Male Straight

Cable type: See Table

Units:
M=Meter

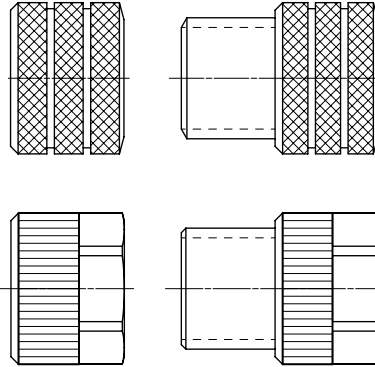
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

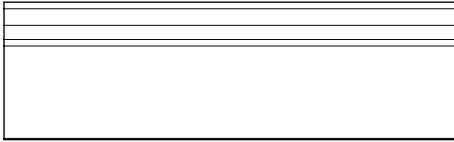
Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
9=Knurled / Hexagonal SW9 Brass Ni Plated

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

COUPLING NUT
FEMALE MALE







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.	-	-
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	-
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.	-	-
P82	3	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

FUNCTIONAL SYMBOLS









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: PACKAGING SPEC ADDED

EC NO: 770174

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2023/11/17

2023/11/30

2023/11/30

PRODUCT CUSTOMER DRAWING

INITIAL REVISION:

DRWN: JMARSZALEK

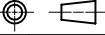
APPR: RSILLER

2016/10/20

2017/01/11

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION



DRAWING

A3-SIZE

SERIES

120087

DOCUMENT NUMBER

1200878243

DOC TYPE

PSD

DOC PART

000

REVISION

A5

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

2 OF 3

DOCUMENT STATUS

P1

RELEASE DATE

2023/11/30

13:31:04

FORMAT: master-b-prod-A3

REVISION: 11

DATE: 2021/05/01

9

8

7

6

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4

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10		9		8		7		6		5		4		3		2		1											
PART LIST																													
F	No. Molex PN Engineering No. Cable Length				No. Molex PN Engineering No. Cable Length				No. Molex PN Engineering No. Cable Length				No. Molex PN Engineering No. Cable Length				No. Molex PN Engineering No. Cable Length												
	1	1200280016	443031E02M010	1m	36	1200878367	444031E02M030	3m	71				106																
	2	1200281220	443031P82M003	0.3m	37	1200878368	444031E02M050	5m	72				107																
	3	1200281221	443031P82M006	0.6m	38	1200878369	444031E02M100	10m	73				108																
	4	1200281283	443031E02M005	0.5m	39	1200878370	444031P02M003	0.3m	74				109																
	5	1200875016	443031E02M006	0.6m	40	1200878371	444031P02M006	0.6m	75				110																
	6	1200878128	443031H08M020	2m	41	1200878372	444031P02M010	1m	76				111																
	7	1200878129	443031H08M030	3m	42	1200878373	444031P02M030	3m	77				112																
E	8	1200878130	443031H08M050	5m	43	1200878499	443031H08M010	1m	78				113																
	9	1200878196	444031H08M010	1m	44	1200878542	443031E02M015Y	1.5m	79				114																
	10	1200878197	444031P02M020	2m	45	1200878554	444031H08M006	0.6m	80				115																
	11	1200878242	445031E02M006	0.6m	46	1200878555	444031H08M020	2m	81				116																
	12	1200878243	445031E02M030	3m	47	1200878556	444031H08M050	5m	82				117																
	13	1200878244	445031E02M050	5m	48	1200878557	443031H08M006	0.6m	83				118																
	14	1200878254	444031P02M050	5m	49	1200878595	443031P02M010H	1m	84				119																
	15	1200878303	443031E02M003	0.3m	50	1200878625	443031P82M050	5m	85				120																
D	16	1200878304	443031E02M015	1.5m	51	1200878637	443031E02M002	0.2m	86				121																
	17	1200878305	443031E02M020	2m	52	1200878638	443031E02M025	2.5m	87				122																
	18	1200878306	443031E02M030	3m	53	1200878639	443031E02M065	6.5m	88				123																
	19	1200878307	443031E02M035	3.5m	54	1200878659	443031E02M010H	1m	89				124																
	20	1200878308	443031E02M050	5m	55	1200878660	443031E02M005H	0.5m	90				125																
	21	1200878309	443031I02M006	0.6m	56																								

No.	Molex PN	Engineering No.	Cable Length
36	1200878367	444031E02M030	3m
37	1200878368	444031E02M050	5m
38	1200878369	444031E02M100	10m
39	1200878370	444031P02M003	0.3m
40	1200878371	444031P02M006	0.6m
41	1200878372	444031P02M010	1m
42	1200878373	444031P02M030	3m
43	1200878499	443031H08M010	1m
44	1200878542	443031E02M015Y	1.5m
45	1200878554	444031H08M006	0.6m
46	1200878555	444031H08M020	2m
47	1200878556	444031H08M050	5m
48	1200878557	443031H08M006	0.6m
49	1200878595	443031P02M010H	1m
50	1200878625	443031P82M050	5m
51	1200878637	443031E02M002	0.2m
52	1200878638	443031E02M025	2.5m
53	1200878639	443031E02M065	6.5m
54	1200878659	443031E02M010H	1m
55	1200878660	443031E02M005H	0.5m
56	1200878664	443031E02M020H	2m
57	1200878667	444031E02M003H	0.3m
58	1200878672	443031E02M002H	0.2m
59	1200878673	443031E02M025H	2.5m
60	1200878674	443031E02M065H	6.5m
61	1200878690	443031E02M015H	1.5m
62	1200878942	445031H08M006	0.6m
63	1200878943	445031H08M010	1m
64	1200878944	445031H08M020	2m
65	1200878945	445031H08M050	5m
66	1200878948	445031E02M010	1m
67	1200878949	445031E02M020	2m
68	1200280400	444031P02M020	2m
69	1200878979	444031H08M030	3m
70	1200878981	445031H08M030	3m

No.	Molex PN	Engineering No.	Cable Length
106			
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FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

A