

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

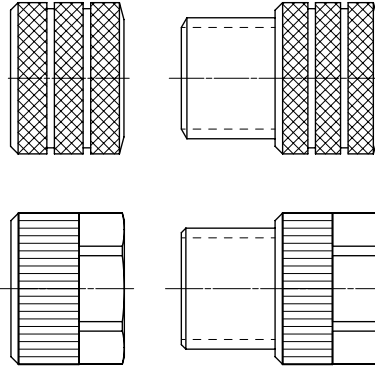
Length
Examples:
005=0.5 unit
010=1 unit
100=10 unit

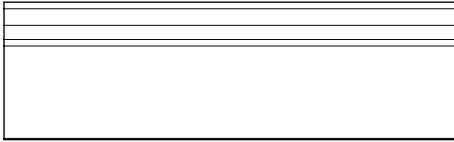
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

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

SYMBOLS

▽ = 0

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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

mm

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: NEW PN ADDED

EC NO: 710179

DRWN: ARPITT

CHK'D: FDAFERNER

APPR: FDAFERNER

2022/06/13

2022/06/15

2022/06/15

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/10/20

2017/01/11

molex

CSE M8 M8 XP AC BC FE RA MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200878243

PSD

000

A4

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE PART LIST

GENERAL MARKET

2 OF 3

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120087

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 1200878367 444031E02M030 3m				106 1200878367 444031E02M030 3m				141 1200878367 444031E02M030 3m													
	2 1200281220 443031P82M003 0.3m				37 1200878368 444031E02M050 5m				72 1200878368 444031E02M050 5m				107 1200878368 444031E02M050 5m				142 1200878368 444031E02M050 5m													
	3 1200281221 443031P82M006 0.6m				38 1200878369 444031E02M100 10m				73 1200878369 444031E02M100 10m				108 1200878369 444031E02M100 10m				143 1200878369 444031E02M100 10m													
	4 1200281283 443031E02M005 0.5m				39 1200878370 444031P02M003 0.3m				74 1200878370 444031P02M003 0.3m				109 1200878370 444031P02M003 0.3m				144 1200878370 444031P02M003 0.3m													
E	5 1200875016 443031E02M006 0.6m				40 1200878371 444031P02M006 0.6m				75 1200878371 444031P02M006 0.6m				110 1200878371 444031P02M006 0.6m				145 1200878371 444031P02M006 0.6m													
	6 1200878128 443031H08M020 2m				41 1200878372 444031P02M010 1m				76 1200878372 444031P02M010 1m				111 1200878372 444031P02M010 1m				146 1200878372 444031P02M010 1m													
	7 1200878129 443031H08M030 3m				42 1200878373 444031P02M030 3m				77 1200878373 444031P02M030 3m				112 1200878373 444031P02M030 3m				147 1200878373 444031P02M030 3m													
	8 1200878130 443031H08M050 5m				43 1200878499 443031H08M010 1m				78 1200878499 443031H08M010 1m				113 1200878499 443031H08M010 1m				148 1200878499 443031H08M010 1m													
	9 1200878196 444031H08M010 1m				44 1200878542 443031E02M015Y 1.5m				79 1200878542 443031E02M015Y 1.5m				114 1200878542 443031E02M015Y 1.5m				149 1200878542 443031E02M015Y 1.5m													
D	10 1200878197 444031P02M020 2m																													

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
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FORMAT: master-tb-mod-A3
REVISION: H 10

FORMAT: master-tb-mod-A3
REVISION: H 10