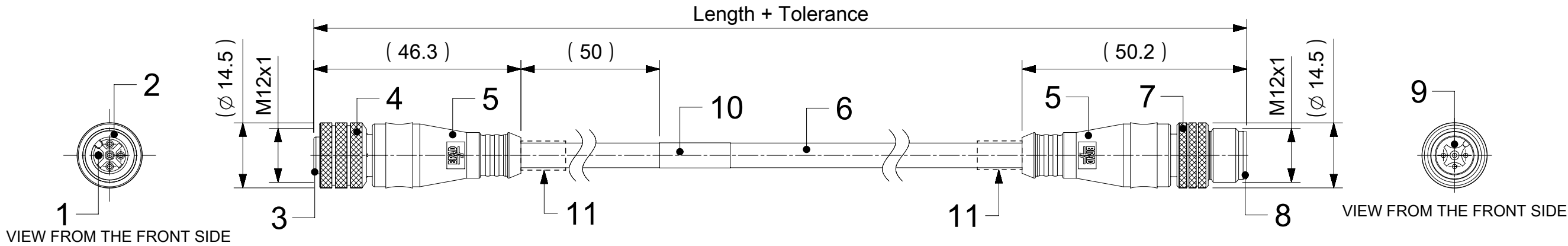


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A

PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	-	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
					5	GREY	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE SHEET 2	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	-
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	-
7	1	COUPLING NUT MALE	-	-
6	-	CABLE	SEE SHEET 2	-
5	-	OVERMOULDING BLACK	TPU	-
4	1	COUPLING NUT FEMALE	-	-
3	1	INSERT FEMALE BLACK	PUR	-
2	1	O-RING RED	FPM	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE GOLD OVER NICKEL
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

mm

SCALE

1:1

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: REMOVED OBSOLETE PART NUMBER AS PER PCN#512871.

EC NO: 732259
DRWN: SANTHN
CHK'D: GGA
APPR: GGA

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2022/12/20
2022/12/21
2022/12/21

2016/09/16
2016/12/08

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

CSE M12 XP AC FE STR MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200668084

DOC TYPE

PSD

DOC PART

000

REVISION

A15

SEE SHEET 3-4

GENERAL MARKET

1 OF 4

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

OPTIONS

88X030XXX

88=Micro-Change
M12x1
Double ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
030=Plug Female Straight
to Plug Male Straight

Cable type: See Table

Units:
M=Meter
C=Centimeter

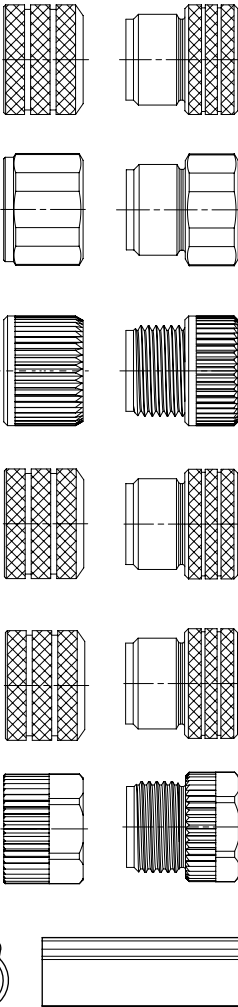
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
8=Type 316 stainless steel
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS
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 / 8	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.	-	-
E03	3 / 4 / 5	0.34mm²	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 / 8	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	-
P02	3 / 4 / 5 / 8	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.	-	-

CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

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: REMOVED OBSOLETE PART NUMBER AS PER PCN#512871.						
mm		1:1	mo lex CSE M12 XP AC FE STR MA STR XM DE PRODUCT CUSTOMER DRAWING						
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		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
			A3-SIZE	120066	SEE SHEET 3-4	GENERAL MARKET	2 OF 4		

DOCUMENT STATUS	P1	RELEASE DATE	2022/12/21	07:37:48
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	10	9	8	7	6	5	4	3	2	1																																																																																							
	PART LIST																																																																																																
F	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>1</td><td>1200060049</td><td>884030E03M050</td><td>5m</td></tr> <tr><td>2</td><td>1200060050</td><td>884030P03M015</td><td>1.5m</td></tr> <tr><td>3</td><td>1200060051</td><td>884030P03M030</td><td>3m</td></tr> <tr><td>4</td><td>1200070081</td><td>883030E03M006</td><td>0.6m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	1	1200060049	884030E03M050	5m	2	1200060050	884030P03M015	1.5m	3	1200060051	884030P03M030	3m	4	1200070081	883030E03M006	0.6m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>36</td><td>1200071114</td><td>883030P03M020H</td><td>2m</td></tr> <tr><td>37</td><td>1200071122</td><td>883030P03M030H</td><td>3m</td></tr> <tr><td>38</td><td>1200071123</td><td>883030P03M010H</td><td>1m</td></tr> <tr><td>39</td><td>1200071131</td><td>883030P03M0201</td><td>2m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	36	1200071114	883030P03M020H	2m	37	1200071122	883030P03M030H	3m	38	1200071123	883030P03M010H	1m	39	1200071131	883030P03M0201	2m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>71</td><td>1200072763</td><td>884030P03M0201</td><td>2m</td></tr> <tr><td>72</td><td>1200072764</td><td>884030P03M0301</td><td>3m</td></tr> <tr><td>73</td><td>1200072803</td><td>884030P03M040</td><td>4m</td></tr> <tr><td>74</td><td>1200072804</td><td>884030P03M060</td><td>6m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	71	1200072763	884030P03M0201	2m	72	1200072764	884030P03M0301	3m	73	1200072803	884030P03M040	4m	74	1200072804	884030P03M060	6m	<table> <tr><th>No.</th><th>MOLEX PN</th><th>Engineering No.</th><th>Length</th></tr> <tr><td>106</td><td>1200668352</td><td>888030P02M250</td><td>25m</td></tr> <tr><td>107</td><td>1200668370</td><td>883030E03M040</td><td>4m</td></tr> <tr><td>108</td><td>1200668373</td><td>883030H09M006</td><td>0.6m</td></tr> <tr><td>109</td><td>1200668374</td><td>883030H09M010</td><td>1m</td></tr> </table>				No.	MOLEX PN	Engineering No.	Length	106	1200668352	888030P02M250	25m	107	1200668370	883030E03M040	4m	108	1200668373	883030H09M006	0.6m	109	1200668374	883030H09M010	1m	F
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117	1200668399	888030E02M003	0.3m																																																																																														
118	1200668486	884030H09M023	2.3m																																																																																														
119	1200668487	885030E03M200	20m																																																																																														
D																																																																																																	

No.	MOLEX PN	Engineering No.	Length
36	1200071114	883030P03M020H	2m
37	1200071122	883030P03M030H	3m
38	1200071123	883030P03M010H	1m
39	1200071131	883030P03M0201	2m
40	1200071199	884030E03M200	20m
41	1200071273	883030P03M100H	10m
42	1200071284	885030P03M100	10m
43	1200071288	883030P03M060	6m
44	1200071408	885030P03M030	3m
45	1200071500	885030E03M005	0.5m
46	1200071583	885030E03M080	8m
47	1200071594	884030E03M015	1.5m
48	1200071596	884030E03M060	6m
49	1200071703	884030E03M0205	2m
50	1200071707	884030E03M0505	5m
51	1200071715	884030E03M150	15m
52	1200071774	884030E03M020H	2m
53	1200071793	884030E03M1501	✱ 15m
54	1200071881	884030E03M1005	10m
55	1200071947	885030P03M007	0.7m
56	1200071948	885030E03M040	4m
57	1200072010	884030P03M050H	5m
58	1200072081	885030E03M035	3.5m
59	1200072092	884030E03M040	4m
60	1200072104	883030P03M040	4m
61	1200072105	884030P03M200	20m
62	1200072172	884030E03M050H	5m
63	1200072544	884030E03M120	12m
64	1200072649	884030P03M0105	1m
65	1200072650	884030P03M0505	5m
66	1200072656	885030P03M120	12m
67	1200072658	883030P03M120	12m
68	1200072697	885030E03M060	6m
69	1200072744	884030E03M0501	✱ 5m
70	1200072762	884030P03M0101	1m

No.	MOLEX PN	Engineering No.	Length
106	1200668352	888030P02M250	25m
107	1200668370	883030E03M040	4m
108	1200668373	883030H09M006	0.6m
109	1200668374	883030H09M010	1m
110	1200668375	883030H09M030	3m
111	1200668376	883030H09M040	4m
112	1200668377	883030H09M100	10m
113	1200668378	884030H09M006	0.6m
114	1200668379	884030H09M010	1m
115	1200668380	884030H09M040	4m
116	1200668381	884030H09M100	10m
117	1200668399	888030E02M003	0.3m
118	1200668486	884030H09M023	2.3m
119	1200668487	885030E03M200	20m
120	1200668491	888030H08M010	1m
121	1200668497	885030H09M010	1m
122	1200668500	885030H09M020	2m
123	1200668501	885030H09M050	5m
124	1200668502	885030H09M092	9.2m
125	1200668509	885030H09M006	0.6m
126	1200668510	885030H09M030	3m
127	1200668511	885030H09M100	10m
128	1200668521	885030E03M250	25m
129	1200668528	885030E03M020H	2m
130	1200668530	885030E03M010H	1m
131	1200668544	888030P02M500	50m
132	1200668548	884030H09M006H	0.6m
133	1200668549	884030H09M010H	1m
134	1200668550	884030H09M050H	5m
135	1200668602	885030P03M020G	2m
136	1200668609	885030E02M050	5m
137	1200668646	883030P03M030HY	3m
138	1200668652	885030E03M070	7m
139	1200668656	885030E02M100	10m
140	1200668657	885030E02M020	2m

* - Part No. with Yellow PVC overmolding

DOCUMENT STATUS	P1	RELEASE DATE	2022/12/21	07:37:48
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