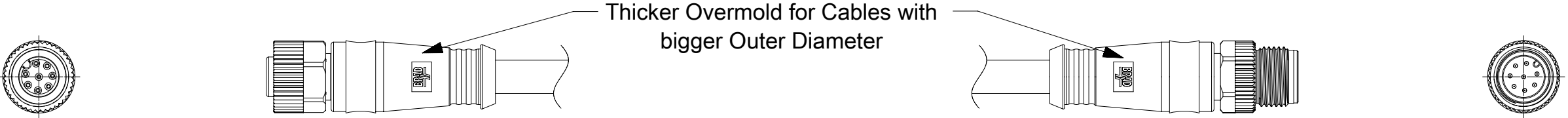
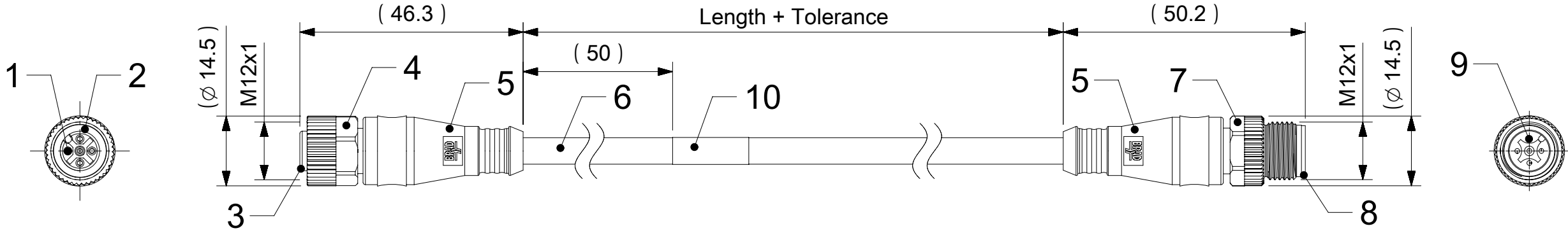
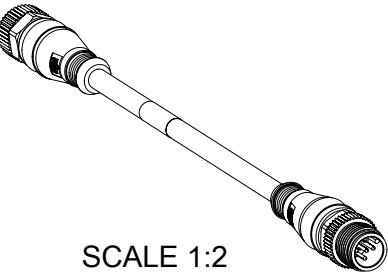


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



NOTES:
CONTACT CURRENT RATING: 3-5 POLES 4A
8 POLES 2A
VOLTAGE RATING: 3-4 POLES 250V
5 POLES 60V
8 POLES 30V
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C



CONTACT POSITION FRONT VIEW:

CABLE	3 POLES		4 POLES		5 POLES		5 POLES		8 POLES	
	B30, B55		B30, B33, B36, B55		B30, B33, B36, B55		B42		B41, B49	
FEMALE										
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREEN/YELLOW	5	GREY
							5		6	PINK
									7	BLUE
									8	RED

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

10	1	LABEL OR PRINTING	VINYL / ---	---
9	3 / 4 / 5 / 8	CONTACT M12 MALE	BRASS	SELECTIVE GOLD OVER NICKEL
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	BRASS	NICKEL
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT M12 FEMALE	BRASS	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

QUALITY SYMBOLS

= 0

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2016/07/22

EC NO: 107467

DRWN: JMARSZALEK

CHK'D:

APPR:

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

JMARSZALEK

CHK'D BY

APPR BY

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SCALE

1:1

DATE

2016/07/22

DATE

DATE

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

SERIES

120066

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1200668993

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

1 OF 3

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

88X030XXXXXX

88=M12x1
Double ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles
8=8 Poles

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

Cable type: See Table

Units:
M=Meter
C=Centimeter
T=10x Meter

Length
Examples:
005=0.5 units
010=1 units
020=1 units
050=5 units
100=10 units
150=15 units
200=20 units

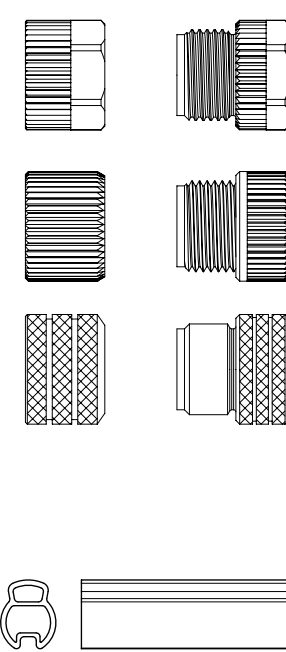
Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

Coupling Nut:
Blank (Standard)=Knurled/Hex Brass, Ni Plated
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated

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

FEMALE

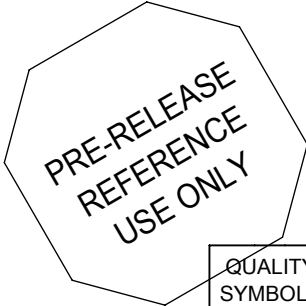
MALE



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: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE PRODUCT SPECIFICATION	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
B41	8	0.25mm²	TPU Black								SD-120209-006
B42	5	0.34mm²	TPU Black								SD-120209-001
B49	8	0.25mm²	TPU Orange								SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow								n/a

CABLE LENGTH TOLERANCES		
LENGTH	TOLERANCE	
shorter 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer 30m	+1%	-0 mm



QUALITY SYMBOLS

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2016/07/22

EC NO: 107467
DRWN: JMARSZALEK
CHK'D:
APPR:

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.05
1 PLACE ± 0.1
0 PLACES ± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

JMARSZALEK

DATE

2016/07/22

CHK'D BY

DATE

APPR BY

DATE

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

molex®

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

SERIES

120066

MATERIAL NUMBER

SEE SHEET 3

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1200668993

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

2 OF 3

RELEASE STATUS

RQ

RELEASE DATE

12.08.2016

15:12:33

9

8

7

6

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4

3

2

1

PART LIST

Pos.	Part No.	Engineering No.	Cable Length
1	1200659548	885030B42M150	15m
2	1200659549	885030B42M200	20m
3	1200659666	885030B30M005	0.5m
4	1200659667	885030B30M025	2.5m
5	1200665456	884030B30M010R	1m
6	1200665461	888030B41M010R	1m
7	1200668817	884030B30M006	0.6m
8	1200668818	884030B30M010	1m
9	1200668819	884030B30M020	2m
10	1200668820	884030B30M030	3m
11	1200668821	884030B30M050	5m
12	1200668822	884030B30M100	10m
13	1200668823	885030B42M006	0.6m
14	1200668824	885030B42M010	1m
15	1200668825	885030B42M020	2m
16	1200668826	885030B42M030	3m
17	1200668827	885030B42M050	5m
18	1200668828	885030B42M100	10m
19	1200668859	884030B36M0507Y	5m
20	1200668860	884030B36M1007Y	10m
21	1200668863	884030B30M070	7m
22	1200668870	888030B41M038	3.8m
23	1200668889	883030B30M006	0.6m
24	1200668890	883030B30M010	1m
25	1200668891	883030B30M020	2m
26	1200668892	883030B30M030	3m
27	1200668893	883030B30M050	5m
28	1200668894	883030B30M100	10m
29	1200668895	888030B41M006	0.6m
30	1200668896	888030B41M010	1m
31	1200668897	888030B41M020	2m
32	1200668898	888030B41M030	3m
33	1200668899	888030B41M050	5m
34	1200668900	888030B41M100	10m
35	1200668913	884030B30M150	15m

Pos.	Part No.	Engineering No.	Cable Length
36	1200668914	884030B30M200	20m
37	1200668915	884030B30M250	25m
38	1200668916	884030B30M300	30m
39	1200668991	885030B30M006	0.6m
40	1200668992	885030B30M010	1m
41	1200668993	885030B30M020	2m
42	1200668994	885030B30M030	3m
43	1200668995	885030B30M050	5m
44	1200668996	885030B30M100	10m
45	1200669017	888030B49M015Y	1.5m
46	1200669019	884030B36M0057Y	0.5m
47	1200669020	884030B36M0107Y	1m
48	1200669021	884030B36M0157Y	1.5m
49	1200669022	884030B36M0207Y	2m
50	1200669023	884030B36M0307Y	3m
51	1200669024	884030B36M0407Y	4m
52	1200669025	884030B36M0607Y	6m
53	1200669026	884030B36M0807Y	8m
54	1200669027	884030B36M1207Y	12m
55	1200669028	884030B36M1507Y	15m
56	1200669029	884030B36M2007Y	20m
57	1200669030	884030B36M2507Y	25m
58	1200669031	884030B36M3007Y	30m
59	1200669032	885030B36M0057Y	0.5m
60	1200669033	885030B36M0107Y	1m
61	1200669034	885030B36M0207Y	2m
62	1200669035	885030B36M0307Y	3m
63	1200669036	885030B36M0407Y	4m
64	1200669037	885030B36M0507Y	5m
65	1200669038	885030B36M0607Y	6m
66	1200669039	885030B36M0807Y	8m
67	1200669040	885030B36M1007Y	10m
68	1200669041	885030B36M1207Y	12m
69	1200669042	885030B36M1507Y	15m
70	1200669043	885030B36M1807Y	18m

Pos.	Part No.	Engineering No.	Cable Length
71	1200669044	885030B36M2007Y	20m
72	1200669045	885030B36M2507Y	25m
73	1200669046	885030B36M3007Y	30m
74	1200669112	888030B49M038Y	3.8m
75	1200669140	885030B36M8507Y	85m
76	1200669142	884030B30M0105	1m
77	1200669143	884030B30M0505	5m
78	1200669144	884030B30M025	2.5m
79	1200669145	885030B30M015	1.5m
80	1200669157	884030B30M002	0.2m
81	1200669158	884030B30M030R	3m
82	1200669177	888030B41M090	9m
83	1200669181	884030B30M040	4m
84	1200669182	884030B30M060	6m
85	1200669223	884030B33M010	1m
86	1200669224	884030B33M020	2m
87	1200669225	884030B33M030	3m
88	1200669226	884030B33M050	5m
89	1200669242	885030B30M0107	1m
90	1200669247	885030B33M020	2m
91	1200669248	885030B33M100	10m
92	1200669249	885030B33M200	20m
93	1200669250	884030B33M005	0.5m
94	1200669251	884030B33M100	10m
95	1200669252	884030B33M200	20m
96	1200669253	885030B33M030	3m
97	1200669254	885030B33M050	5m
98	1200669255	885030B33M300	30m
99	1200669256	884030B33M300	30m
100	1200669257	885030B33M005	0.5m
101	1200669258	885030B33M010	1m
102	1200669263	884030B55M020	2m
103	1200669264	884030B55M030	3m
104	1200669265	884030B55M040	4m
105	1200669266	884030B55M050	5m

Pos.	Part No.	Engineering No.	Cable Length
106	1200669267	884030B55M060	6m
107	1200669268	884030B55M100	10m
108	1200669269	884030B55M120	12m
109	1200669270	884030B55M150	15m
110	1200669271	884030B55M200	20m
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PRE-RELEASE
REFERENCE
USE ONLY

QUALITY SYMBOLS

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EC NO: 107467

DRWN: JMARSZALEK

CHK'D: APPR:

A

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

± 0.1

0 PLACES

± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

SCALE

1:1

DRWN BY

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DATE

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DRAWING SIZE

A3

THIRD ANGLE PROJECTION

moLEX®

CSE M12 XP AC FE STR WSOR MA STR XM DE

PRODUCT CUSTOMER DRAWING

SERIES

120066

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1200668993

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

3 OF 3

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