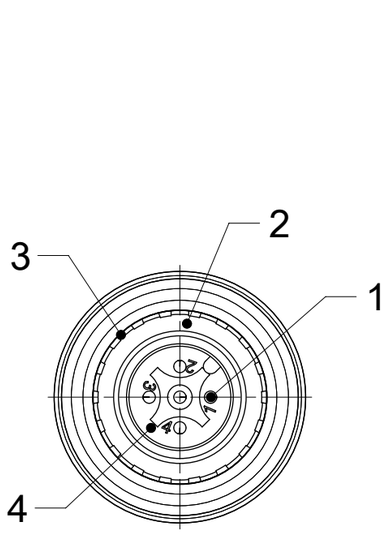
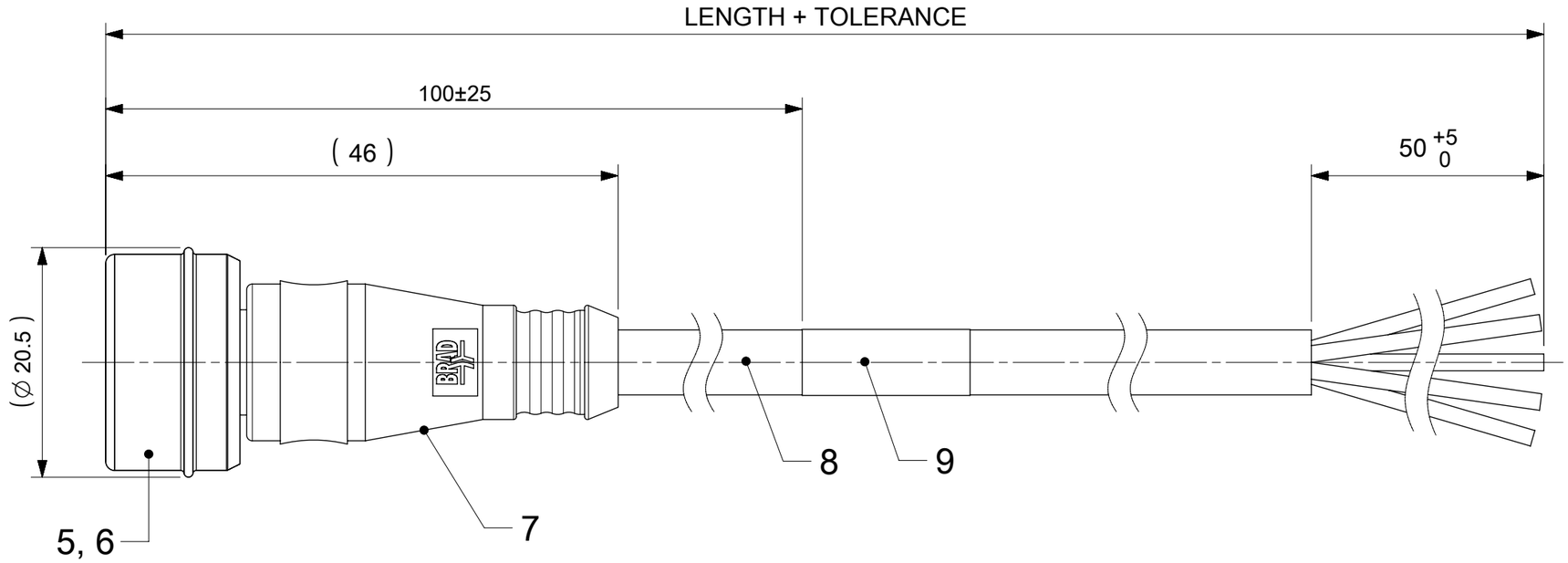
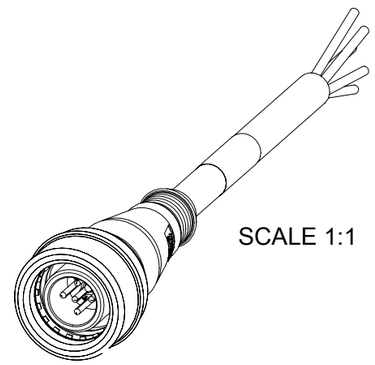
MALE PLUG ULTRA LOCK U12 STRAIGHT







SCALE 1:1

NOTES:

CURRENT RATING: 3-5 CONTACTS 4A

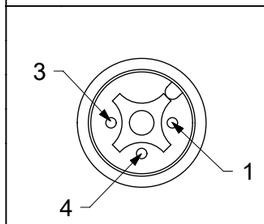
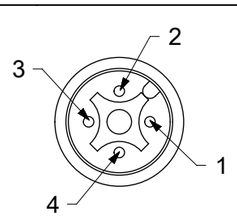
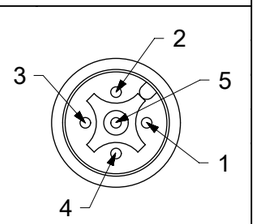
VOLTAGE RATING: 3-4 CONTACTS 250V

5 CONTACTS 60V

PROTECTION CLASS: IP 67/68/69K

TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
					
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
5	---	5	---	5	GREY
CODING ACCORDING TO IEC 61076-2-101					

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
9	1	LABEL YELLOW	VINYL	---
8	-	CABLE	SEE SHEET 2	---
7	-	OVERMOULD BLACK	TPU	---
6	1	SLEEVE U12 INNER	BRASS	NICKEL
5	1	SLEEVE U12 OUTER	V4A	---
4	1	INSERT MALE BLACK	PUR	---
3	1	SPRING U12	V4A	---
2	1	ORING GREEN	FPM	---
1	3 / 4 / 5	CONTACT M12 MALE	BRASS	SELECTIVE GOLD OVER NICKEL

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FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS: mm — SCALE: 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:

EC NO: 698441

DRWN: SSM 2022/03/07

CHK'D: RSILLER 2022/03/08

APPR: RSILLER 2022/03/08

INITIAL REVISION:

DRWN: JMARSZALEK 2016/06/22

APPR: RSILLER 2016/06/29

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120079

molex

CSE U12 XP AC MA STR XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200790273	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/08 15:22:47

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

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

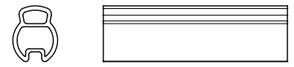
OPTIONS

W	0	X	0	0	6	X	X	X	X	X	X	X	X

- W0=U12 Ultra Lock Single ended
- Poles: 3=3 Poles 4=4 Poles 5=5 Poles
- Heads style: 006=Plug Male Straight
- Cable type: See Table
- Units: M=Meter
- Length Examples: 005=0.5 units 010=1 units 100=10 units
- Overmold color: Blank (Standard)=Black A=Grey / G=Black / Y=Yellow

  Ultra Lock Assembly: Blank (Standard)=Brass, Ni Plated 8=Stainless steel, EPDM oring

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



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
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

PART LIST

No.	Molex P/N	Engineering no.	Cable Length
1	1200200001	W04006E03M006	0.6m
2	1200790263	W04006E03M020	2m
3	1200790265	W04006E03M100	10m
4	1200790273	W05006E03M020	2m
5	1200790274	W05006E03M040	4m
6	1200790276	W05006E03M100	10m
7	1200795045	W05006E03M050	5m
8	1200795055	W05006P03M020	2m
9	1200795064	W04006P03M040	4m
10	1200795065	W04006P03M050	5m
11	1200795066	W04006P03M060	6m
12	1200795079	W05006P03M040	4m
13	1200795080	W05006P03M050	5m
14	1200795081	W05006P03M060	6m
15	1200795082	W05006P03M100	10m
16	1200795106	W03006P03M020	2m
17	1200798003	W04006E03M050	5m
18	1200798006	W04006P03M020	2m
19	1200798011	W04006P03M100	10m
20	1200798018	W04006E03M010	1m

No.	Molex P/N	Engineering no.	Cable Length
21	1200798046	W05006H09M020	2m
22	1200798049	W03006H09M020	2m
23	1200798053	W04006H09M020	2m
24	1200798065	W05006P03M030	3m
25	1200798136	W04006P03M030	3m
26	1200798137	W04006P03M015	1.5m
27	1200795105	W03006E03M020	2m
28	1200798148	W03006E03M050	5m
29	1200798149	W03006E03M100	10m
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

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

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molex

CSE U12 XP AC MA STR XM SE UNSH

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DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200790273	PSD	000	B1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/08 15:22:47

FORMAT: master-tb-prod-A3
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