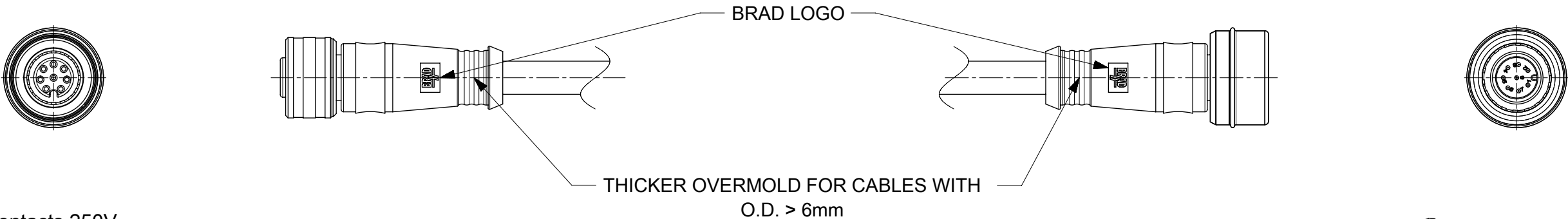
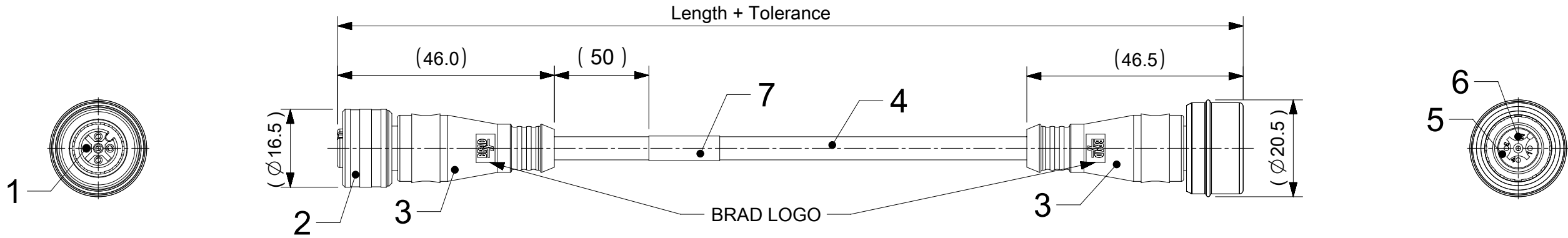


FEMALE PLUG M12U STRAIGHT TO MALE PLUG M12U STRAIGHT

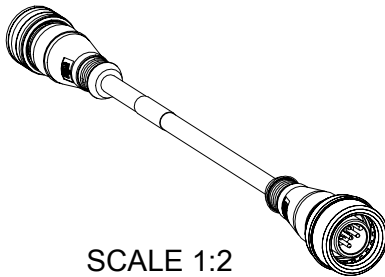


NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°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 OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

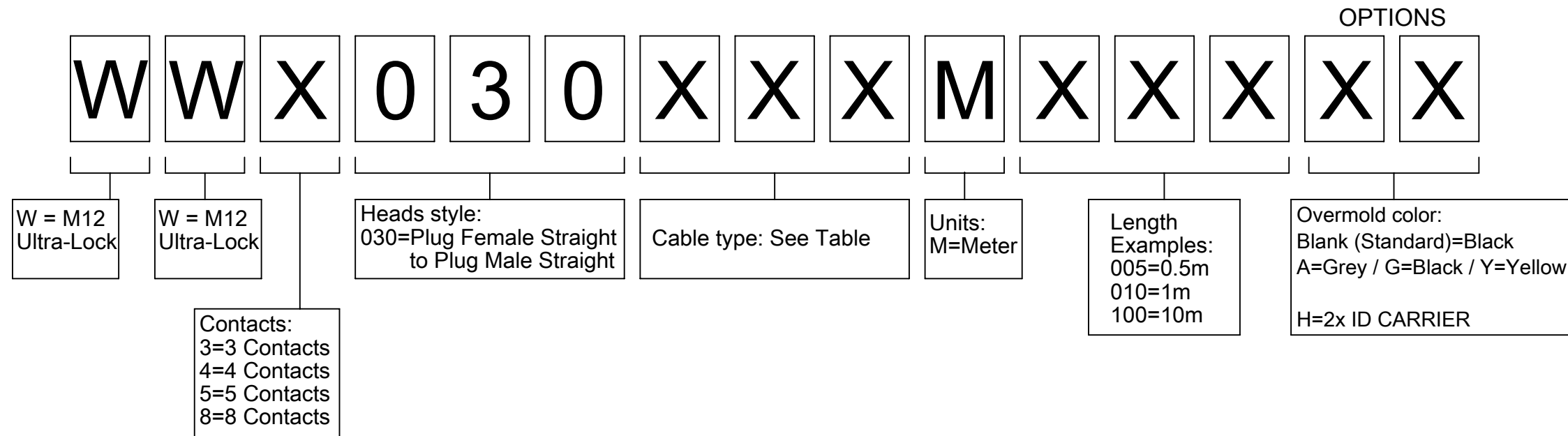


FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	-
6	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
5	1	PLUG U12 MALE XP	PUR, BRASS	-
4	-	CABLE	SEE SHEET 2	-
3	-	OVERMOULDING BLACK	TPU	-
2	1	PLUG U12 FEMALE XP	PUR, BRASS	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	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															
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: MALE PLUG UPDATED				molex					
FA = 0 FE = 0 FD = 0		mm		1:1		EC NO: 695694 DRWN: MDHARMANTI2022/01/21 CHK'D: RSILLER2022/02/15 APPR: RSILLER2022/02/15									
DIVISIONAL SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)													
		ANGULAR TOL ± 1.0 °													
		4 PLACES ±													
		3 PLACES ±													
		2 PLACES ± 0.05						PRODUCT CUSTOMER DRAWING							
		1 PLACE ± 0.3						DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		0 PLACES ± 0.5						1200805076		PSD		000		A	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120080		SEE MATRIX		GENERAL MARKET		1 OF 3	

ENGINEERING NO. - NUMERICAL CODE



CABLE INFORMATION

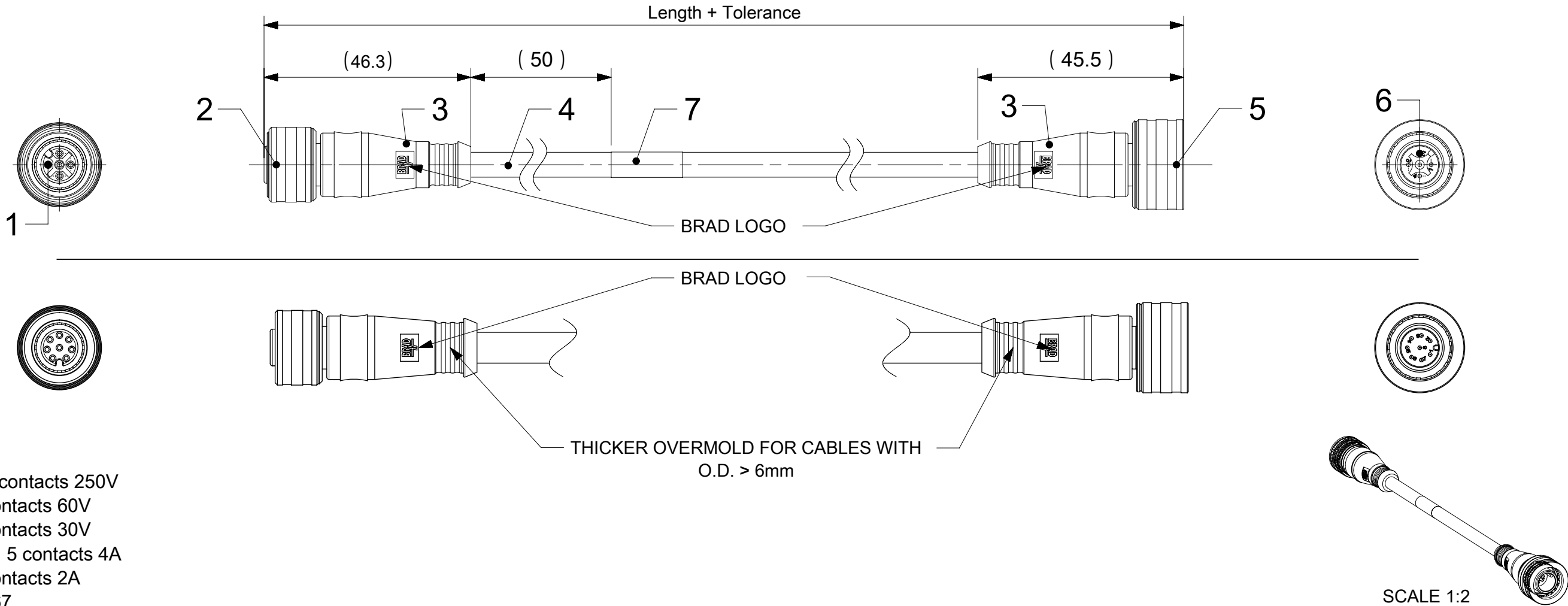
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E03	3 / 4 / 5	0.34mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm ²	PUR BLACK LS0H	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	0.34mm ²	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	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P82	5	0.34mm ²	PUR / IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.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

FUNCTIONAL SYMBOLS	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: MALE PLUG UPDATED			molex CSE U12 XP AC STR PUR/PVC MA XP STR XM DE					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 695694 DRWN: MDHARMANTI 2022/01/21 CHK'D: RSILLER 2022/02/15 APPR: RSILLER 2022/02/15 INITIAL REVISION: DRWN: MDHARMANTI 2022/01/21 APPR: RSILLER 2022/02/15						PRODUCT CUSTOMER DRAWING		
	ANGULAR TOL ± 1.0°												
	4 PLACES		±					DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
	3 PLACES		±					1200805076			PSD	000	A
	2 PLACES		± 0.05					THIRD ANGLE PROJECTION			DRAWING	SERIES	MATERIAL NUMBER
	1 PLACE		± 0.3										
	0 PLACES		± 0.5										
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						A3-SIZE	120080	SEE MATRIX	GENERAL MARKET	2 OF 3	

FEMALE PLUG M12U STRAIGHT TO MALE PLUG M12U STRAIGHT



NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°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 OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YELLOW	VINYL	-
6	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
5	1	PLUG U12 MALE XP	PUR, BRASS	-
4	-	CABLE	SEE SHEET 2	-
3	-	OVERMOULDING BLACK	TPU	-
2	1	PLUG U12 FEMALE XP	PUR, BRASS	-
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	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																			
QUALITY SYMBOLS FA = 0 FE = 0 FP = 0 ▼ = 0 C = 0 ⊠ = 0 ■ = 0 ∇ = 0		2018/06/21 2018/06/27 2018/06/28		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		DIMENSION UNITS mm		SCALE 1:1		molex® M12U-XP-FE-STR-XP-M-STR-XM									
						DRWN BY DATE MKOWALCZYK012017/05/18													
						CHK'D BY DATE				PRODUCT CUSTOMER DRAWING SERIES 120080 MATERIAL NUMBER SEE MATRIX CUSTOMER GENERAL MARKET									
						APPR BY DATE MIWASIECZKO2017/05/31													
						DRAWING SIZE A3		THIRD ANGLE PROJECTION		DOCUMENT NUMBER 1200805076 DOC TYPE PSD DOC PART 00P SHEET NUMBER 1 OF 3									
						A2 REV													

E



C

--	--

B

AA

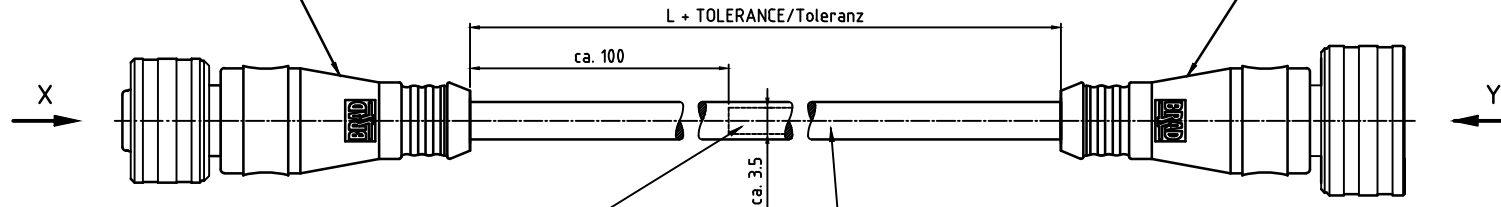
A

NO.	MOLEX PN	ENGINEERING NO.	LENGTH
32	1200808026	WW3030H09M010	1M
33	1200808031	WW4030H09M010	1M
34	1200808039	WW5030H09M010	1M
35	1200808107	WW5030H09M020	2M
36	1200808033	WW8030H08M010	1M
37	1200808139	WW8030H08M020	2M
38	1200808140	WW8030H08M050	5M
39	1200798157	WW5030E03M100	10M
40	1200798158	WW8030H08M100	10M
41	1200210001	WW4030E03M100	10M
42	1200808015	WW5030E03M020	2M

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
 = 0	2018/06/21 2018/06/27 2018/06/28 EC NO: 178454 DRWN: SSM CHK'D: SSM APPR: RSLR REV A2	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		 M12U-XP-FE-STR-XP-M-STR-XM			
 = 0				mm		1:1					
 = 0		ANGULAR TOL ± 1.0 °		DRWN BY		DATE					
 = 0		4 PLACES ±		MKOWALCZYK01		2017/05/18					
 = 0		3 PLACES ±		CHK'D BY		DATE					
 = 0		2 PLACES ± 0.05		APPR BY		DATE					
 = 0		1 PLACE ± 0.3		MIWASIECZKO		2017/05/31					
 = 0		0 PLACES ± 0.5		DRAWING SIZE		THIRD ANGLE PROJECTION					
 = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A4		 		PRODUCT CUSTOMER DRAWING			
 = 0								SERIES	MATERIAL NUMBER	CUSTOMER	
							120080	SEE MATRIX	GENERAL MARKET		
							DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	
							1200805076	PSD	00P	3 OF 3	

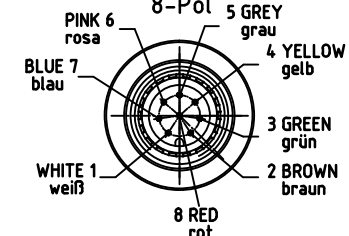
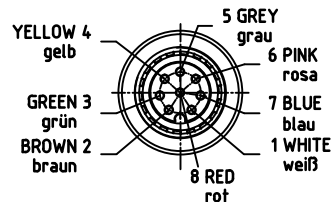
OVERMOLD PUR, COLOUR SEE TABLE
Umspritzung PUR, Farbe siehe Tabelle

OVERMOLD PUR, COLOUR SEE TABLE
Umspritzung PUR, Farbe siehe Tabelle



VIEW X / Ansicht X
MATING SIDE
FEMALE CABLE CONNECTOR U-LOCK
Steckseite
Kabeldose U-LOCK
8-Pol

VIEW Y / Ansicht Y
MATING SIDE
MALE CABLE CONNECTOR U-LOCK
Steckseite
Kabelstecker U-LOCK
8-Pol



CABLE PRINTING:
Kabelbedruckung: Molex ... X..

CABLE/Leitung PUR/PVC BLACK/sw 8x0.25mm; D6,7

PROD. DATE / Fertigungsdatum

GENERAL CHARACTERISTICS		Allgemeine Kennwerte	STANDARD Norm
NUMBER OF CONTACTS	Polzahl	Kontaktanzahl	8
CONTACT CONFIGURATION	Kontaktanordnung	IEC 60947-5-2	
RATED VOLTAGE	Bemessungsspannung	IEC 60664-1	30V AC / DC
POLLUTION DEGREE	Verschmutzungsgrad	IEC 60664-1	3
CURRENT CARRYING CAPACITY	Betriebsstrom	IEC 60512-3 Test 5 b	2A (40°)
CONTACT RESISTANCE	Durchgangswiderstand	IEC 60512-2 Test 2 a	< 5mOhm
RATED IMPULSE WITHSTAND VOLTAGE	Bemessungsstoßspannung	IEC 60664-1	0,8 kV
TEST VOLTAGE	Prüfspannung	IEC 60512-2 Test 4 a	0,5 kV / 60 sec
INSULATION RESISTANCE	Isolationswiderstand	IEC 60512-2 Test 3 a	> 100 MOhm
IP DEGREE OF PROTECTION	IP-Schutzart	IEC 60529	IP 67
PIN DIAMETER	Stiftdurchmesser		0,8 mm
MATERIALS	CONTACTS	Kontakte	BRASS / Messing
	CONTACTS PLATING	Kontaktflächen	Ni/Au
	DIELECTRIC MATERIAL	Kontaktträger	PUR
	HOUSING (OVERMOLD)	Gehäuse (Umspritzung)	PUR
	GASKETS (O-RING)	Dichtung (O-Ring)	VITON
	PUSH SLEEVE	Schiebehülse	CuZn (BRASS) WITH/mit NICKEL PLATED / Ni-Oberfläche
TERMINATION	Anschlussart		Crimp
FLAMMABIGKEIT	INSERTS	Kontaktträger	UL 94 HB
	HOUSING (OVERMOLD)	Gehäuse (Umspritzung)	HB
	CABLE	Leitung / Kabel	2 LAYER PUR/PVC CABLE BLACK 0.25 ²
MECHANICAL OPERATION	Mechanische Lebensdauer		100 MATING CYCLES/Steckzyklen
TEMPERATURE RANGE	Temperaturbereich	IEC 60668-1	-25°C / +80°C

PART-NUMBER	ENGINEERING-NO.	OVERMOLD COLOUR	LENGTH L
Teile-Nummer	Engineering Nr.:	Umspritzungsfarbe	Länge L
1200805083	WW8030P02M010	BLACK/schwarz	1000 +20/-10
1200805096	WW8030P02M020	BLACK/schwarz	2000 ±25
1200805097	WW8030P02M050	BLACK/schwarz	5000 ±25

(...) DIM. FOR INFORMATION
(...) Informationsmaß

DESCRIPTION EC NO: IPG2015-0241 DRWN: BBRACH 06.08.14 CHKD: REISSNER 2014/08/07 APPR: CUBURGER 2010/03/18	QUALITY SYMBOLS ▽ = 0 ▽C = 0	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 4 PLACES+---+--- 3 PLACES+---+--- 2 PLACES+---+--- 1 PLACE+0.3+--- 0 PLACE+---+--- ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			DRAWN BY LSTEMMLE	DATE 2010/03/17	CSE U12 8P FE STR PUR MA STR XM BK ----					
			CHECKED BY NS	DATE 2010/03/18						
			APPROVED BY FPACHER	DATE 2010/03/18	molex					
			MATERIAL NO. SEE TABLE						DOCUMENT NO. SD-120080-055	SHEET NO. 1 OF 1
			SIZE A2						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	