

3 POLE
M12 MALE

PIN	WIRE COLOR
1	BN
2	-
3	BU
4	BK
5	-

4 POLE
M12 MALE

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	-

5 POLE
M12 MALE

PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

PART No MATRIX

Y0X006XXX

Y0= ULTRA LOCK 2.0 SINGLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES

HEADER:
006= MALE STR

CABLE:
E03 - 3/4/5x0.34 PVC BLACK
B30 - 3/4/5x0.34 WSOR BLACK
H09 - 3/4/5x0.34 PUR-LS0H BLACK

UNIT:
M = METER
F = FEET
C = CENTIMETER
T = 10M

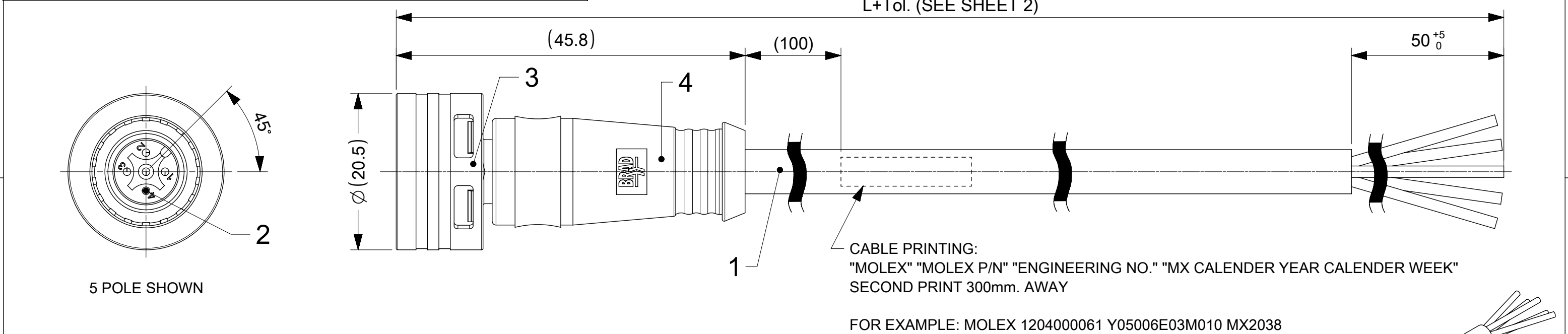
LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

OPTIONS
X X

OVERMOLD:
BLANK = STANDARD BRAD:
-YELLOW IN THE USA
-BLACK IN EUROPE

A = GREY
E = RED
G = BLACK
Y = YELLOW
H = STD. COLOUR WITH TWO ID-TAG CARRIERS

CODING ACCORDING TO IEC 61076-2-101



NOTES:

1. PARTS ACC. TO PRODUCT SPECIFICATION 1204000001 PS P10 AND IN STYLE OF IEC-61076-2-010

2. BOM & PART LIST - SEE SHEET 2

3. RATED VOLTAGE :
3, 4 CONTACTS: 250V AC OR DC
5 CONTACTS: 60V AC OR DC
RATED CURRENT:
3, 4, 5 CONTACTS: 4A, DERATING HAS TO BE CONSIDERED
OVERVOLTAGE CATEGORY: 3
POLLUTION DEGREE: 3, ONLY IN MATED AND LOCKED CONDITION

4. PROTECTION CLASS: IP 67, ONLY IN MATED AND LOCKED CONDITION

5. TEMPERATURE RANGE:
TEMPERATURE PLUG/SOCKET: -40 °C TO +85 °C
TEMPERATURE CABLE: SEE CABLE LIST

6. MECHANICAL OPERATIONS: 100 CYCLES

7. MATES WITH ULTRA-LOCK M12 FEMALE RECEPTACLES

8. PACKAGING: THE CORDSETS ARE SINGLE PACKED IN PLASTIC BAGS AND DELIVERED IN CARTON BOXES

9. UL CSA FILE REGISTRATION PENDING

SCALE 1:1

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
= 0	DIMENSION UNITS mm	SCALE 2:1				
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)					
= 0	ANGULAR TOL ± 1.0 °					
DIVISIONAL SYMBOLS	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 A3-SIZE	SERIES 120400	CURRENT REV DESC: NOTES AND CABLE LIST UPDATED	
EC NO: 736602 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER		2023/01/24 2023/01/31 2023/01/31		PRODUCT CUSTOMER DRAWING		
INITIAL REVISION: DRWN: JELIZAINCIN APPR: RSILLER		2021/01/12 2022/10/14		DOCUMENT NUMBER 1204000061		
MATERIAL NUMBER SEE SHEET 2		CUSTOMER GENERAL MARKET		DOC TYPE PSD		
SHEET NUMBER 1 OF 2		DOC PART 000		REVISION A1		

10			9			8			7			6			5			4			3			2			1		
PART LIST																													
MOLEX NO.			ENGINEERING NO.			LENGHT (MM)			MOLEX NO.			ENGINEERING NO.			LENGHT (MM)			MOLEX NO.			ENGINEERING NO.			LENGHT (MM)					
1204000037			Y03006E03M010			1000			1204000060			Y04006H09M100			10000														
1204000038			Y03006E03M020			2000			1204000061			Y05006E03M010			1000														
1204000039			Y03006E03M050			5000			1204000062			Y05006E03M020			2000														
1204000040			Y03006E03M100			10000			1204000063			Y05006E03M050			5000														
1204000041			Y03006B30M010			1000			1204000064			Y05006E03M100			10000														
1204000042			Y03006B30M020			2000			1204000065			Y05006B30M010			1000														
1204000043			Y03006B30M050			5000			1204000066			Y05006B30M020			2000														
1204000044			Y03006B30M100			10000			1204000067			Y05006B30M050			5000														
1204000045			Y03006H09M010			1000			1204000068			Y05006B30M100			10000														
1204000046			Y03006H09M020			2000			1204000069			Y05006H09M010			1000														
1204000047			Y03006H09M050			5000			1204000070			Y05006H09M020			2000														
1204000048			Y03006H09M100			10000			1204000071			Y05006H09M050			5000														
1204000049			Y04006E03M010			1000			1204000072			Y05006H09M100			10000														
1204000050			Y04006E03M020			2000																							
1204000051			Y04006E03M050			5000																							
1204000052			Y04006E03M100			10000																							
1204000053			Y04006B30M010			1000																							
1204000054			Y04006B30M020			2000																							
1204000055			Y04006B30M050			5000																							
1204000056			Y04006B30M100			10000																							
1204000057			Y04006H09M010			1000																							
1204000058			Y04006H09M020			2000																							
1204000059			Y04006H09M050			5000																							
CABLE LIST																													
3P	4P	5P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR	FIXED INSTALLATION *		FLEXIBLE INSTALLATION **		DRAG CHAIN																		
							MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.															
X			E03	CABLE PVC, BLK 3X0.34MM D4.9	PVC	BLACK	-30°C	+80°C	-10°C	+80°C	NOT SUITABLE																		
	X			CABLE PVC, BLK 4X0.34MM D5.4																									
		X		CABLE PVC, BLK 5X0.34MM(UL/CSA) D5.8																									
X			B30	CABLE 3X0.34 TPU BK D4.80 TPE UNSH DCS	PUR WSOR	BLACK	-40°C	+90°C	-25°C	+80°C	-5°C	+60°C																	
	X			CABLE 4X0.34 TPU BK D5.10 TPE UNSH DCS																									
		X		CABLE 5X0.34 TPU BK D5.50 TPE UNSH DCS																									
X			H09	CABLE PUR;BLK 3X0.34MM-LSOH;UL D4.4	PUR-LS0H	BLACK	-40°C	+80°C	-25°C	+80°C	+5°C	+60°C																	
	X			CABLE PUR;BLK 4X0.34MM-LSOH;UL D4.7																									
		X		CABLE PUR BLK 5X0.34MM LSZH UL D5.0																									
* FIXED POSITION WITHOUT ACCIDENTAL CRUSHING OF VIBRATION.																													
** FREE MOTION WITHOUT PERIODIC RECURRENCE OR FORCED GUIDANCE.																													
BILL OF MATERIAL:																													
3P	4P	5P	ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR																						
X	X	X	1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST																						
X	X	X	2	3/4/5	CONTACT 10 MA STA AU	COPPER ALLOY	GOLD OVER NICKEL PLATED																						
X			3	1	PLG U12 3P AC MA PA UNSH WT	-	-																						
	X				PLG U12 4P AC MA PA UNSH WT																								
		X			PLG U12 5P AC MA PA UNSH WT																								
X	X	X	4	1	OVERMOLD	TPC	SEE MATRIX																						
IF "H" IS IN MATRIX-END			-	2	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT																						
DOCUMENT STATUS			P1	RELEASE DATE	2023/01/31	08:21:29																							
0			9			8			7			6			5			4			3			2			1		
FORMAT: msp,																													