

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

A top-down diagram of a circular 4-pin connector. The connector has four pins arranged in a square pattern. Each pin is labeled with an arrow pointing to it: PIN 1 (top-left), PIN 2 (top-right), PIN 3 (bottom-right), and PIN 4 (bottom-left). The pins are numbered 1 through 4 in a clockwise direction starting from the top-left.

Y C

Y0= ULTRA LOCK 2.0
SINGLE ENDED

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

HEADER:
001= FEMALE RA

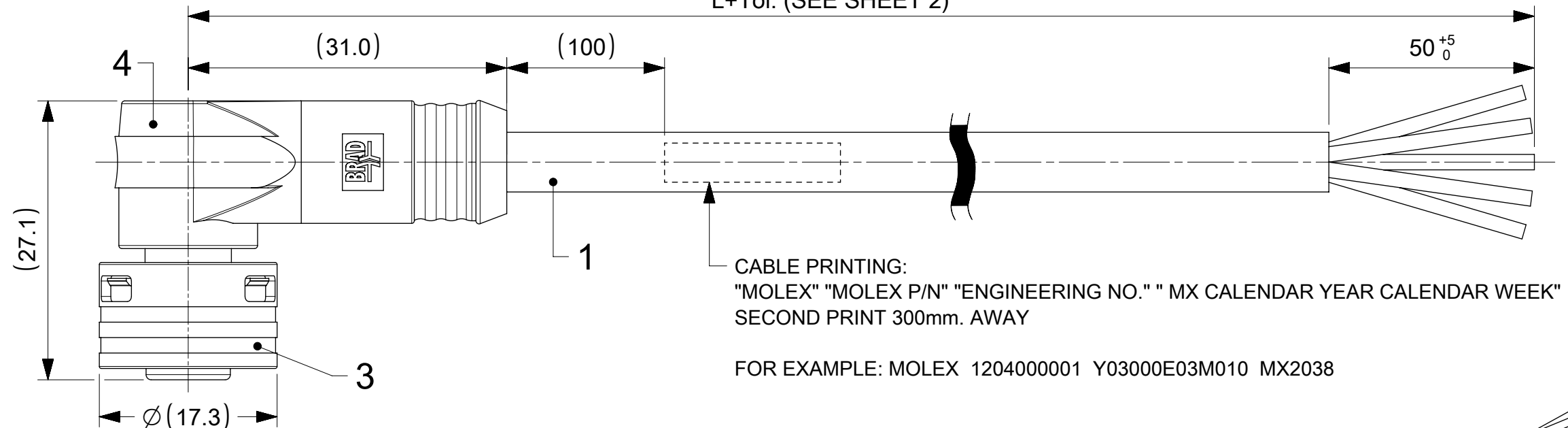
UNIT:
M = METER
F = FEET
C = CENTIMETER
T = 10M

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

OPTIONS

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

L+Tol. (SEE SHEET 2)



— CABLE PRINTING:
"MOLEX" "MOLEX P/N" "ENGINEERING NO." " MX CALENDAR YEAR CALENDAR WEEK"
SECOND PRINT 300mm. AWAY

FOR EXAMPLE: MOLEX 1204000001 Y03000E03M010 MX2038

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

3. RATED VOLTAGE :

RATED CURRENT:

OVERVOLTAGE CATEGORY: 3

5. TEMPERATURE RANGE:

TEMPERATURE CABLE: SEE CABLE LIST

7. MATES WITH ULTRA-LOCK M12 MALE 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									
	DIMENSION UNITS	SCALE	CURRENT REV DESC: NOTES AND CABLE LIST UPDATED				molex CSE U12 3-5P AC FE RA XM SE UNSH BK			
	mm	2:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
ANGULAR TOL ± 1.0 °										
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 736602				PRODUCT CUSTOMER DRAWING			
	3 PLACES	±	DRWN: RSCHIEBER 2023/01/23							
	2 PLACES	± 0.05	CHK'D: RSILLER 2023/01/31							
	1 PLACE	± 0.3	APPR: RSILLER 2023/01/31							
	0 PLACES	± 0.5	INITIAL REVISION:							
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER
				A3-SIZE	120400	SEE SHEET 2	GENERAL MARKET		1 OF 2	

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)					
1204000200			Y03001E03M010			1000			1204000223			Y04001H09M100			10000														
1204000201			Y03001E03M020			2000			1204000224			Y05001E03M010			1000														
1204000202			Y03001E03M050			5000			1204000225			Y05001E03M020			2000														
1204000203			Y03001E03M100			10000			1204000226			Y05001E03M050			5000														
1204000204			Y03001B30M010			1000			1204000227			Y05001E03M100			10000														
1204000205			Y03001B30M020			2000			1204000228			Y05001B30M010			1000														
1204000206			Y03001B30M050			5000			1204000229			Y05001B30M020			2000														
1204000207			Y03001B30M100			10000			1204000230			Y05001B30M050			5000														
1204000208			Y03001H09M010			1000			1204000231			Y05001B30M100			10000														
1204000209			Y03001H09M020			2000			1204000232			Y05001H09M010			1000														
1204000210			Y03001H09M050			5000			1204000233			Y05001H09M020			2000														
1204000211			Y03001H09M100			10000			1204000234			Y05001H09M050			5000														
1204000212			Y04001E03M010			1000			1204000235			Y05001H09M100			10000														
1204000213			Y04001E03M020			2000																							
1204000214			Y04001E03M050			5000																							
1204000215			Y04001E03M100			10000																							
1204000216			Y04001B30M010			1000																							
1204000217			Y04001B30M020			2000																							
1204000218			Y04001B30M050			5000																							
1204000219			Y04001B30M100			10000																							
1204000220			Y04001H09M010			1000																							
1204000221			Y04001H09M020			2000																							
1204000222			Y04001H09M050			5000																							
CABLE LIST																													
3P	4P	5P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR	FIXED INSTALLATION *		FLEXIBLE INSTALLATION **		DRAG CHAIN																		
							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 FE STA AU CR WRA 0.14-0.50	BRASS	GOLD OVER NICKEL PLATED																						
X			3	1	PLG U12 3P AC FE PA UNSH	-	-																						
	X				PLG U12 4P AC FE PA UNSH																								
		X			PLG U12 5P AC FE PA UNSH																								
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	08:21:32																							
0		9		8		7		6		5		4		3		2		1											

CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% 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: NOTES AND CABLE LIST UPDATED											
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL		± 1.0 °		EC NO: 736602 DRWN: RSCHIEBER 2023/01/23 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31 INITIAL REVISION: DRWN: RSCHIEBER 2020/09/16 APPR: RSILLER 2020/09/29											
	4 PLACES		±													
	3 PLACES		±													
	2 PLACES		± 0.05													
	1 PLACE		± 0.3													
	DIVISIONAL SYMBOLS	0 PLACES		± 0.5		DOCUMENT NUMBER 1204000224 DOC TYPE PSD DOC PART 000 REVISION A3										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION								DRAWING A3-SIZE		SERIES 120400		