

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

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

5 POLE SHOWN

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

FOR EXAMPLE: MOLEX 1204000061 Y05006E03M010 MX2038

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	mm 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	DOCUMENT NUMBER 12040000061	DOC TYPE PSD	DOC PART 000	REVISION A1	SHEET NUMBER 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)									
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.							
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-LSOH	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	

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

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	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE LIST UPDATED EC NO: 736602 DRWN: RSCHIEBER 2023/01/24 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31 INITIAL REVISION: DRWN: JELIZAINCIN 2021/01/12 APPR: RSILLER 2022/10/14								
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± 1.0 °												
	4 PLACES		±		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
	3 PLACES		±		1204000061		PSD		000		A1		
	2 PLACES		± 0.05		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
	1 PLACE		± 0.3		SEE PART LIST		GENERAL MARKET		2 OF 2				
	0 PLACES		± 0.5										
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES					
						A3-SIZE		120400					