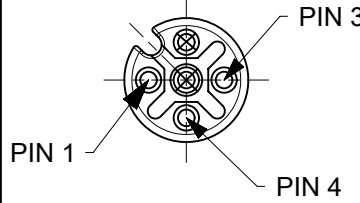


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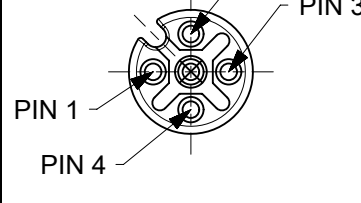
3P M12 FEMALE



VIEW FROM THE WIRE SIDE

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

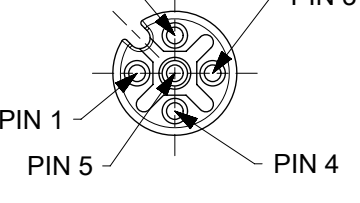
4P M12 FEMALE



VIEW FROM THE WIRE SIDE

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

5P M12 FEMALE



VIEW FROM THE WIRE SIDE

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

CODING ACCORDING TO IEC 61076-2-101

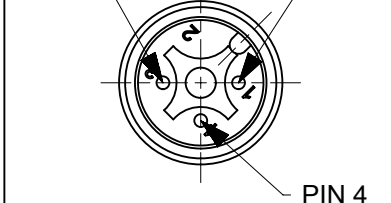
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3

2

1

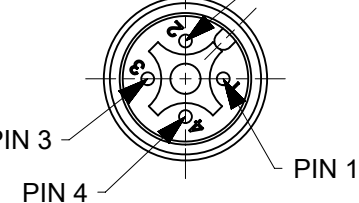
3P M12 MALE



VIEW FROM THE WIRE SIDE

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

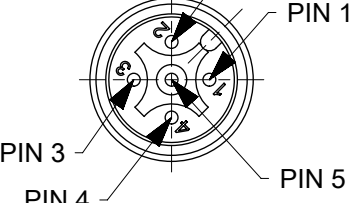
4P M12 MALE



VIEW FROM THE WIRE SIDE

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

5P M12 MALE



VIEW FROM THE WIRE SIDE

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

CODING ACCORDING TO IEC 61076-2-101

D

C

B

A

(31.0)

(100)

(45.8)

(27.1)

(Ø17.3)

(Ø20.5)

45°

45°

SCALE 1:1

1

2

3

4

5

6

7

CABLE PRINTING:

"MOLEX" "MOLEX P/N" "ENGINEERING NO." " MX CALENDAR YEAR CALENDAR WEEK"

SECOND PRINT 300mm. AWAY

FOR EXAMPLE: MOLEX 1204010037 YY4031E03M010 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 RECEPTACLES

8. PACKAGING: THE CORDSETS ARE SINGLE PACKED IN PLASTIC BAGS

AND DELIVERED IN CARTON BOXES

9. UL CSA FILE REGISTRATION PENDING

FUNCTIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC: NOTES AND CABLE LIST

UPDATED

EC NO: 736602

DRWN: RSCHIEBER

2023/01/26

CHK'D: RSILLER

2023/01/31

APPR: RSILLER

2023/01/31

INITIAL REVISION:

DRWN: MDHARMANTI

2021/03/18

APPR: RSILLER

2022/10/14

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

120401

SEE SHEET 2

GENERAL MARKET

1 OF 2

DOCUMENT STATUS

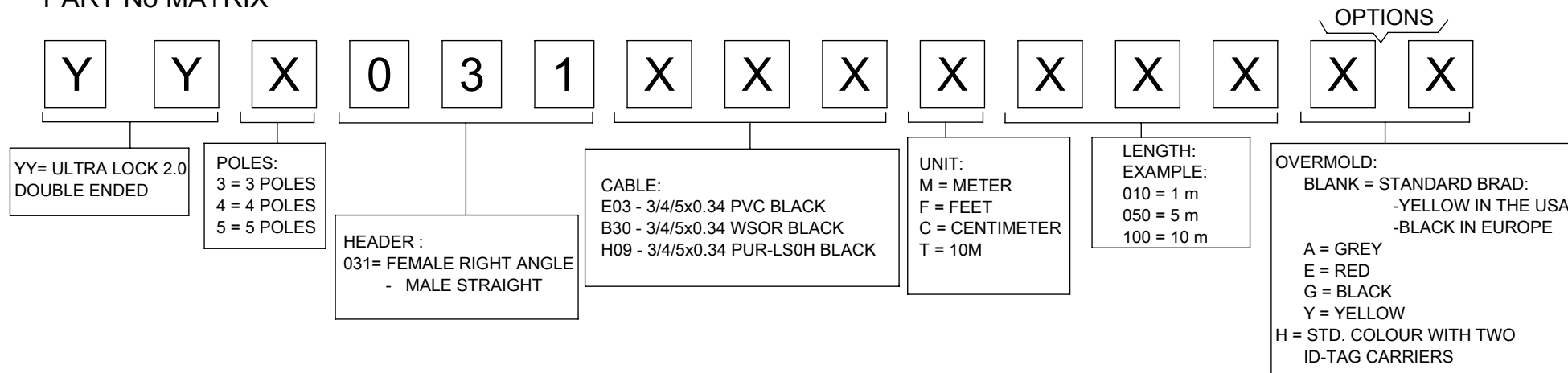
P1

RELEASE DATE

2023/01/31

08:21:24

PART No MATRIX



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

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.

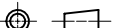
** FREE MOTION WITHOUT PERIODIC RECURRENCE OR FORCED GUIDANCE.

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	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	2	OVERMOLD	TPC	SEE MATRIX
X	X	X	5	3/4/5	CONTACT 10 MA STA NI AU	COPPER ALLOY	GOLD OVER NICKEL PLATED
X			6	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		
IF "H" IS IN MATRIX-END			7	2	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT
DOCUMENT STATUS		P1	RELEASE DATE		2023/01/31 08:21:24		

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGTH (mm)
1204010037	YY4031E03M010	1000
1204010038	YY4031E03M020	2000
1204010039	YY4031E03M050	5000
1204010040	YY4031E03M100	10000
1204010041	YY4031B30M010	1000
1204010042	YY4031B30M020	2000
1204010043	YY4031B30M050	5000
1204010044	YY4031B30M100	10000
1204010045	YY4031H09M010	1000
1204010046	YY4031H09M020	2000
1204010047	YY4031H09M050	5000
1204010048	YY4031H09M100	10000
1204010049	YY5031E03M010	1000
1204010050	YY5031E03M020	2000
1204010051	YY5031E03M050	5000
1204010052	YY5031E03M100	10000
1204010053	YY5031B30M010	1000
1204010054	YY5031B30M020	2000
1204010055	YY5031B30M050	5000
1204010056	YY5031B30M100	10000
1204010057	YY5031H09M010	1000
1204010058	YY5031H09M020	2000
1204010059	YY5031H09M050	5000
1204010060	YY5031H09M100	10000

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{E} = 0$ $\frac{F}{E} = 0$ DIVISIONAL 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 4-5P AC FE RA MA STR XM DE UNSH BK					
	mm		2:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 736602 DRWN: RSCHIEBER 2023/01/26 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31										PRODUCT CUSTOMER DRAWING
	ANGULAR TOL ± 1.0°														
	4 PLACES		±							DOCUMENT NUMBER 1204010037 DOC TYPE PSD DOC PART 000 REVISION A1					
	3 PLACES		±												
	2 PLACES		± 0.05												
	1 PLACE		± 0.3												
	0 PLACES		± 0.5		INITIAL REVISION: DRWN: MDHARMANTI 2021/03/18 APPR: RSILLER 2022/10/14										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS															
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				A3-SIZE		120401		SEE PART LIST		GENERAL MARKET		2 OF 2			