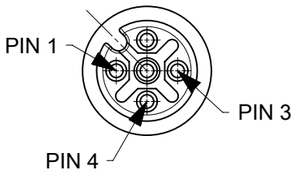
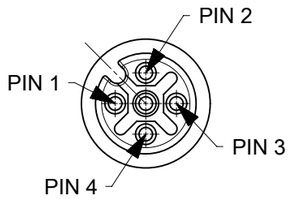
3 POLE
M12 FEMALE



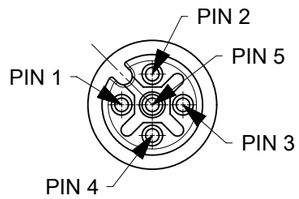
PIN	WIRE COLOR
1	BN
2	-
3	BU
4	BK
5	-

4 POLE
M12 FEMALE



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

5 POLE
M12 FEMALE



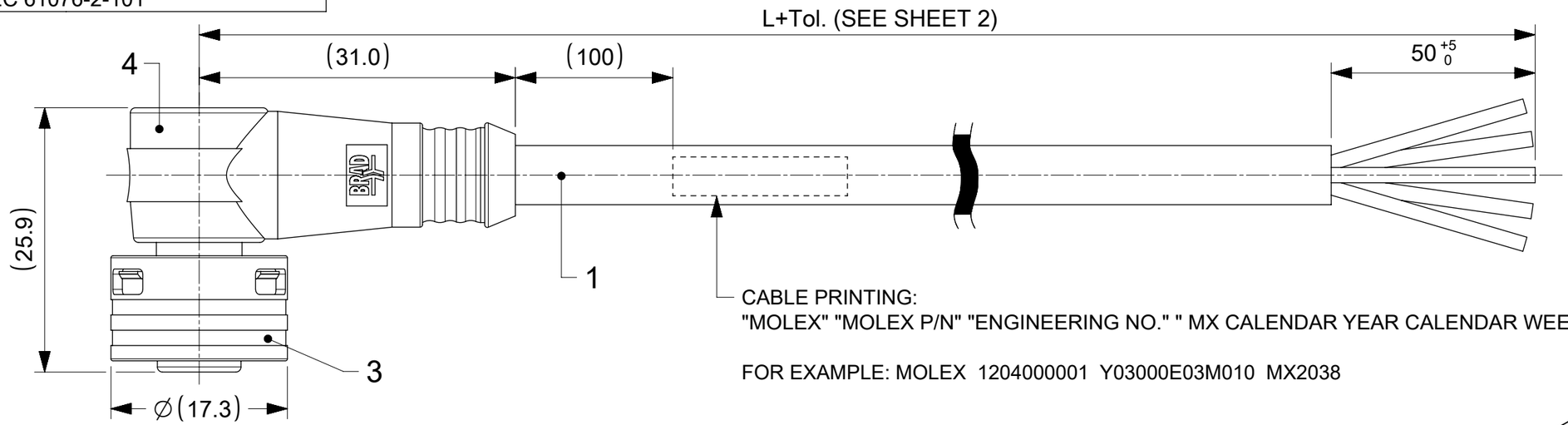
PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

CODING ACCORDING TO IEC 61076-2-101

PART No MATRIX

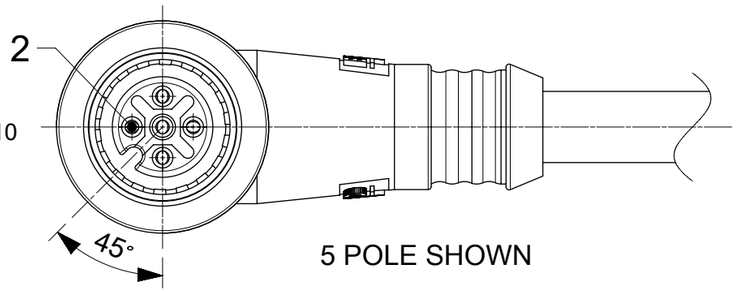
Y	0	X	0	0	1	X	X	X	X	X	X	X	X	X
													OPTIONS	

- Y0= ULTRA LOCK 2.0 SINGLE ENDED
- POLES: 3 = 3 POLES; 4 = 4 POLES; 5 = 5 POLES
- HEADER: 001= FEMALE RA
- 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

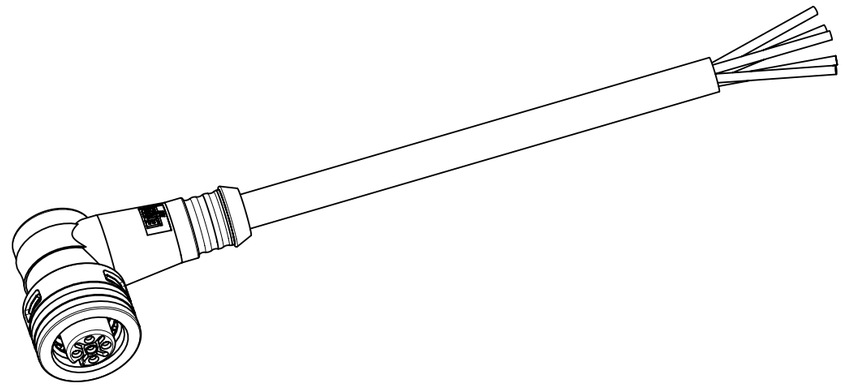


CABLE PRINTING:
"MOLEX" "MOLEX P/N" "ENGINEERING NO." " MX CALENDAR YEAR CALENDAR WEEK"

FOR EXAMPLE: MOLEX 1204000001 Y03000E03M010 MX2038



5 POLE SHOWN



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 FIXED INSTALLATION:
   PARTS WITH CABLE PUR WSOR: -25°C / +85°C
   PARTS WITH CABLE PVC / PUR LSOH: -25°C / +80°C
6. MECHANICAL OPERATIONS: 100 CYCLES
7. MATES WITH ULTRA-LOCK M12 MALE RECEPTACLES
8. PACKAGING: THE CORDSETS ARE PACKED IN PLASTIC BAGS AND DELIVERED IN CARTON BOXES
9. CSA FILE NO. LR6837, ´C´CSA´US´ MARK

DOCUMENT STATUS	P1	RELEASE DATE	2021/01/18 14:12:44

FORMAT: mx_landscape_A3
REVISION: J
DATE: 2020/01/16

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

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

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

CURRENT REV DESC: DRAWING DESCRIPTION UPDATED

EC NO: 653310
DRWN: RSCHIEBER 2021/01/18
CHK'D: RSILLER 2021/01/18
APPR: RSILLER 2021/01/18

INITIAL REVISION:
DRWN: RSCHIEBER 2020/09/16
APPR: RSILLER 2020/09/29

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120400

molex

CSE U12 3-5P AC FE RA XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204000224	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 2

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)
1204000200	Y03001E03M010	1000
1204000201	Y03001E03M020	2000
1204000202	Y03001E03M050	5000
1204000203	Y03001E03M100	10000
1204000204	Y03001B30M010	1000
1204000205	Y03001B30M020	2000
1204000206	Y03001B30M050	5000
1204000207	Y03001B30M100	10000
1204000208	Y03001H09M010	1000
1204000209	Y03001H09M020	2000
1204000210	Y03001H09M050	5000
1204000211	Y03001H09M100	10000
1204000212	Y04001E03M010	1000
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

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)
1204000223	Y04001H09M100	10000
1204000224	Y05001E03M010	1000
1204000225	Y05001E03M020	2000
1204000226	Y05001E03M050	5000
1204000227	Y05001E03M100	10000
1204000228	Y05001B30M010	1000
1204000229	Y05001B30M020	2000
1204000230	Y05001B30M050	5000
1204000231	Y05001B30M100	10000
1204000232	Y05001H09M010	1000
1204000233	Y05001H09M020	2000
1204000234	Y05001H09M050	5000
1204000235	Y05001H09M100	10000

MOLEX NO.	ENGINEERING NO.	LENGHT (MM)

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	TPU	SEE MATRIX
IF "H" IS IN MATRIX-END			-	2	I/D CARRIER DIA 4-7MMX30MM	PVC	TRANSPARENT

CABLE LIST

3P	4P	5P	CABLE TYPE	DESCRIPTION	MATERIAL	FINISH/COLOR
X			E03	CABLE PVC, BLK 3X0.34MM D4.9	PVC	BLACK
	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
	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
	X			CABLE PUR;BLK 4X0.34MM-LSOH;UL D4.7		
		X		CABLE PUR BLK 5X0.34MM LSZH UL D5.0		

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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DRAWING: A3-SIZE SERIES: 120400

molex

CSE U12 3-5P AC FE RA XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204000224	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	2 OF 2