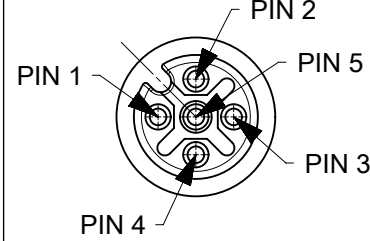


5 POLE
M12 FEMALE

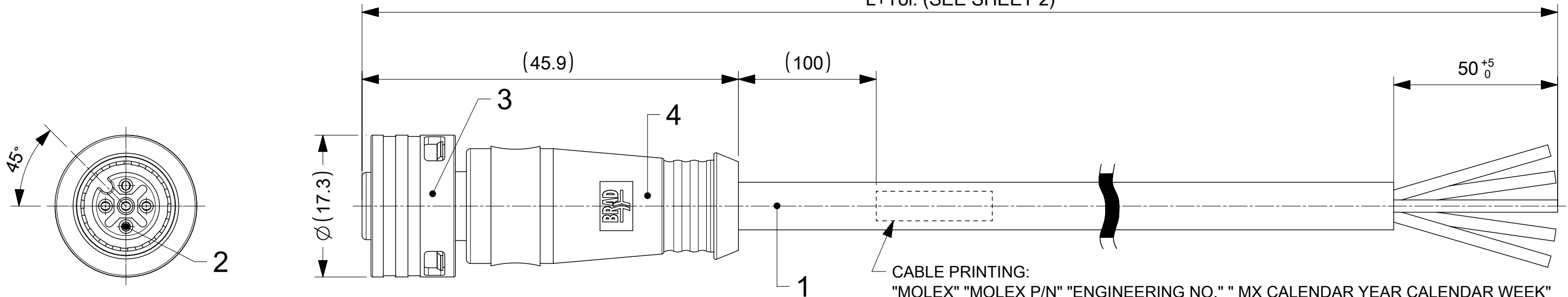


PIN	WIRE COLOR
1	BN
2	WH
3	BU
4	BK
5	GY

5

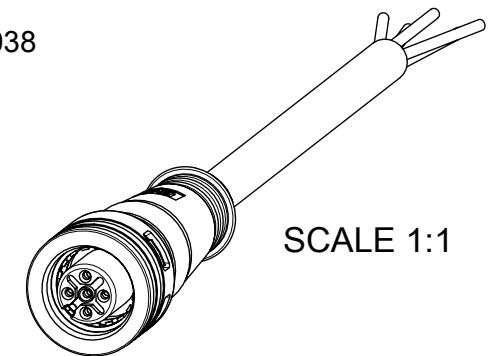
OVERMOLD:
BLANK = STANDARD BRAD:
 -YELLOW IN THE USA
 -BLACK IN EUROPE
 A = GREY
 E = RED
 G = BLACK
 Y = YELLOW
 H = STD. COLOUR WITH TWO
 ID-TAG CARRIERS

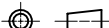
L+Tol. (SEE SHEET 2)



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 DCRATED CURRENT:
 - 3, 4, 5 CONTACTS: 4A, DERATING HAS TO BE CONSIDEREDOVERVOLTAGE 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 MALE RECEPTACLES
8. PACKAGING: THE CORDSETS ARE SINGLE PACKED IN PLASTIC BAGS AND DELIVERED IN CARTON BOXES
9. UL CSA FILE REGISTRATION PENDING

FOR EXAMPLE: MOLEX 1204000001 Y03000E03M010 MX2038



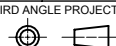
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE LIST UPDATED		molex CSE U12 3-5P AC FE STR XM SE UNSH BK				
	mm		2:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
	ANGULAR TOL ± 1.0°		EC NO: 736602				PRODUCT CUSTOMER DRAWING				
4 PLACES ±		DRWN: RSCHIEBER 2023/01/23									
DIVISIONAL SYMBOLS	3 PLACES ±		CHK'D: RSILLER 2023/01/31		DOCUMENT NUMBER 1204000025				DOC TYPE PSD	DOC PART 000	REVISION A3
	2 PLACES ± 0.05		APPR: RSILLER 2023/01/31								
	1 PLACE ± 0.3		INITIAL REVISION: DRWN: RSCHIEBER 2020/09/15		SHEET NUMBER 1 OF 2						
	0 PLACES ± 0.5		APPR: RSILLER 2020/09/29								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 120400	MATERIAL NUMBER SEE SHEET 2		CUSTOMER GENERAL MARKET		

	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)											
1204000001	Y03000E03M010	1000	1204000024	Y04000H09M100	10000														
1204000002	Y03000E03M020	2000	1204000025	Y05000E03M010	1000														
1204000003	Y03000E03M050	5000	1204000026	Y05000E03M020	2000														
1204000004	Y03000E03M100	10000	1204000027	Y05000E03M050	5000														
1204000005	Y03000B30M010	1000	1204000028	Y05000E03M100	10000														
1204000006	Y03000B30M020	2000	1204000029	Y05000B30M010	1000														
1204000007	Y03000B30M050	5000	1204000030	Y05000B30M020	2000														
1204000008	Y03000B30M100	10000	1204000031	Y05000B30M050	5000														
1204000009	Y03000H09M010	1000	1204000032	Y05000B30M100	10000														
1204000010	Y03000H09M020	2000	1204000033	Y05000H09M010	1000														
1204000011	Y03000H09M050	5000	1204000034	Y05000H09M020	2000														
1204000012	Y03000H09M100	10000	1204000035	Y05000H09M050	5000														
1204000013	Y04000E03M010	1000	1204000036	Y05000H09M100	10000														
1204000014	Y04000E03M020	2000																	
1204000015	Y04000E03M050	5000																	
1204000016	Y04000E03M100	10000																	
1204000017	Y04000B30M010	1000																	
1204000018	Y04000B30M020	2000																	
1204000019	Y04000B30M050	5000																	
1204000020	Y04000B30M100	10000																	
1204000021	Y04000H09M010	1000																	
1204000022	Y04000H09M020	2000																	
1204000023	Y04000H09M050	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	08:21:28													
FORMAT: master-B-prod-A3 REVISION: J DATE: 2020/01/14		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 EC NO: 736602 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER INITIAL REVISION: DRWN: RSCHIEBER APPR: RSILLER											
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL		± 1.0 °		2023/01/23		2023/01/31		2023/01/31							
	4 PLACES		±		2020/09/15		2020/09/29		2020/09/29							
	3 PLACES		±													
	2 PLACES		± 0.05													
	1 PLACE		± 0.3													
	0 PLACES		± 0.5													
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
					A3-SIZE		120400		1204000025		PSD		000		A3	
										SEE PART LIST		GENERAL MARKET		2 OF 2		

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)																	
 = 0	ANGULAR TOL		±	1.0 °	EC NO: 736602 DRWN: RSCHIEBER 2023/01/23 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31													
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		SERIES		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION	
						A3-SIZE		120400		1204000025			PSD		000		A3	
										MATERIAL NUMBER			CUSTOMER			SHEET NUMBER		
										SEE PART LIST			GENERAL MARKET			2 OF 2		