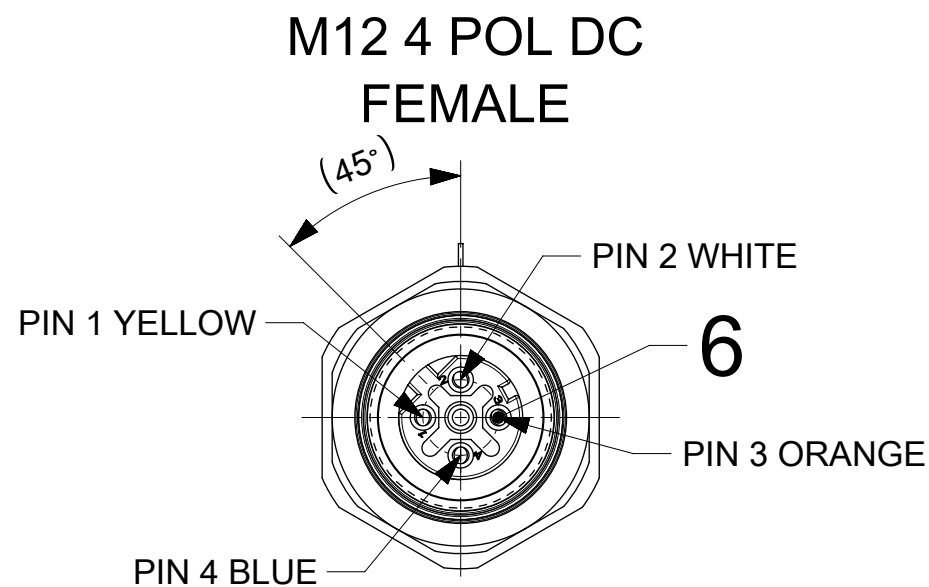
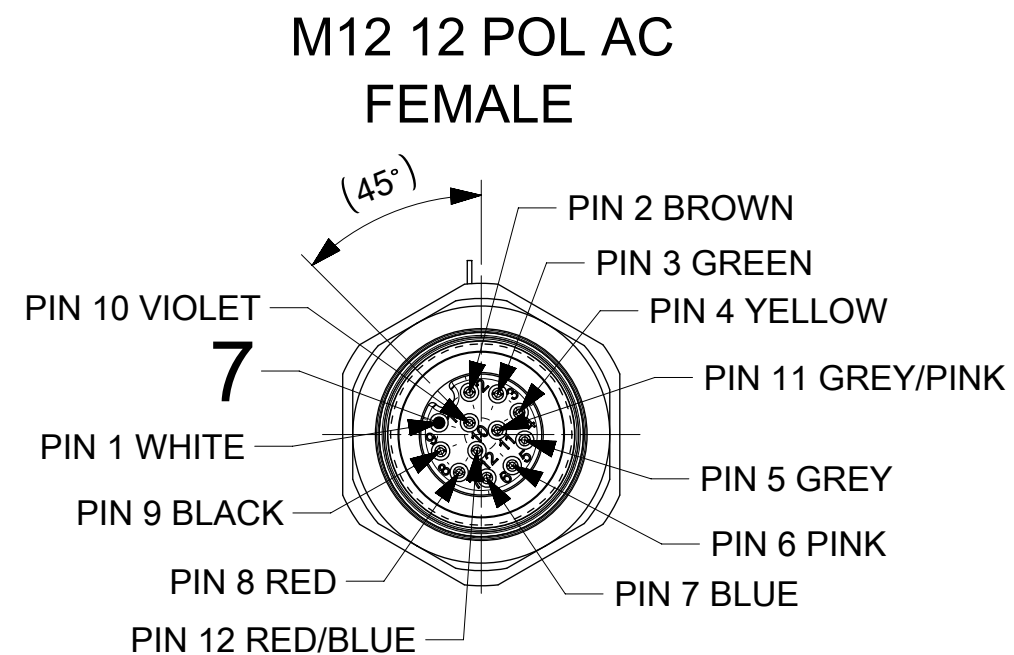
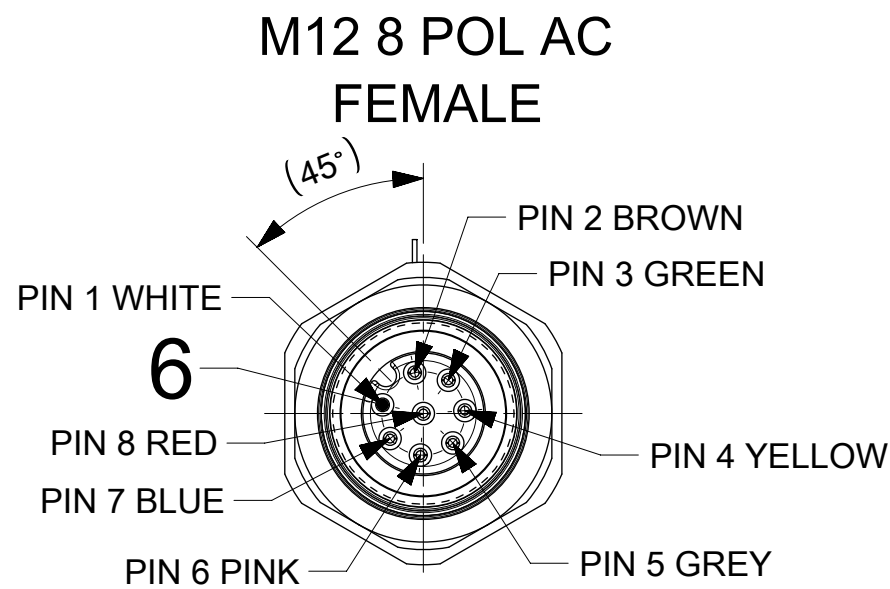
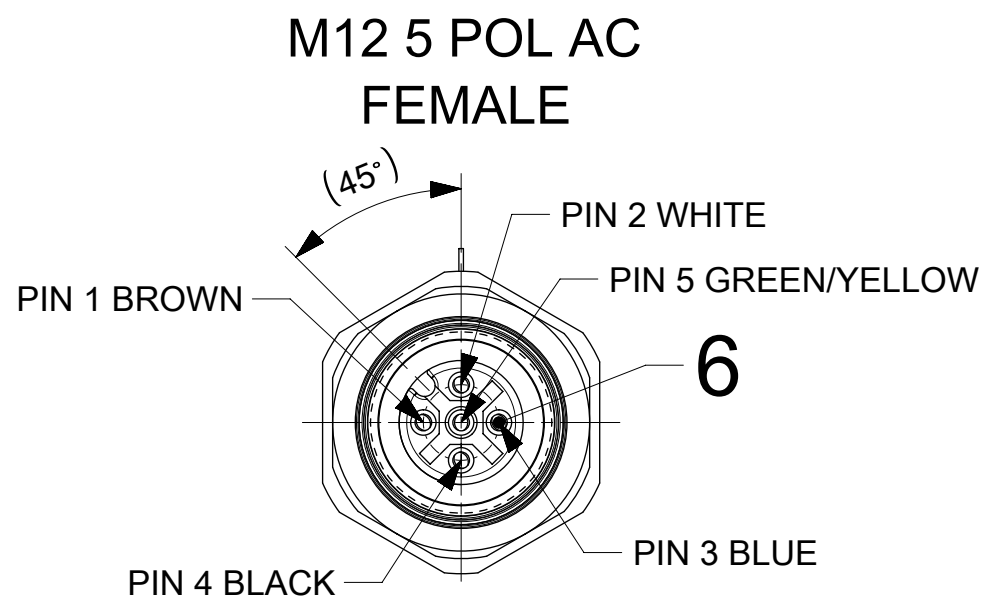
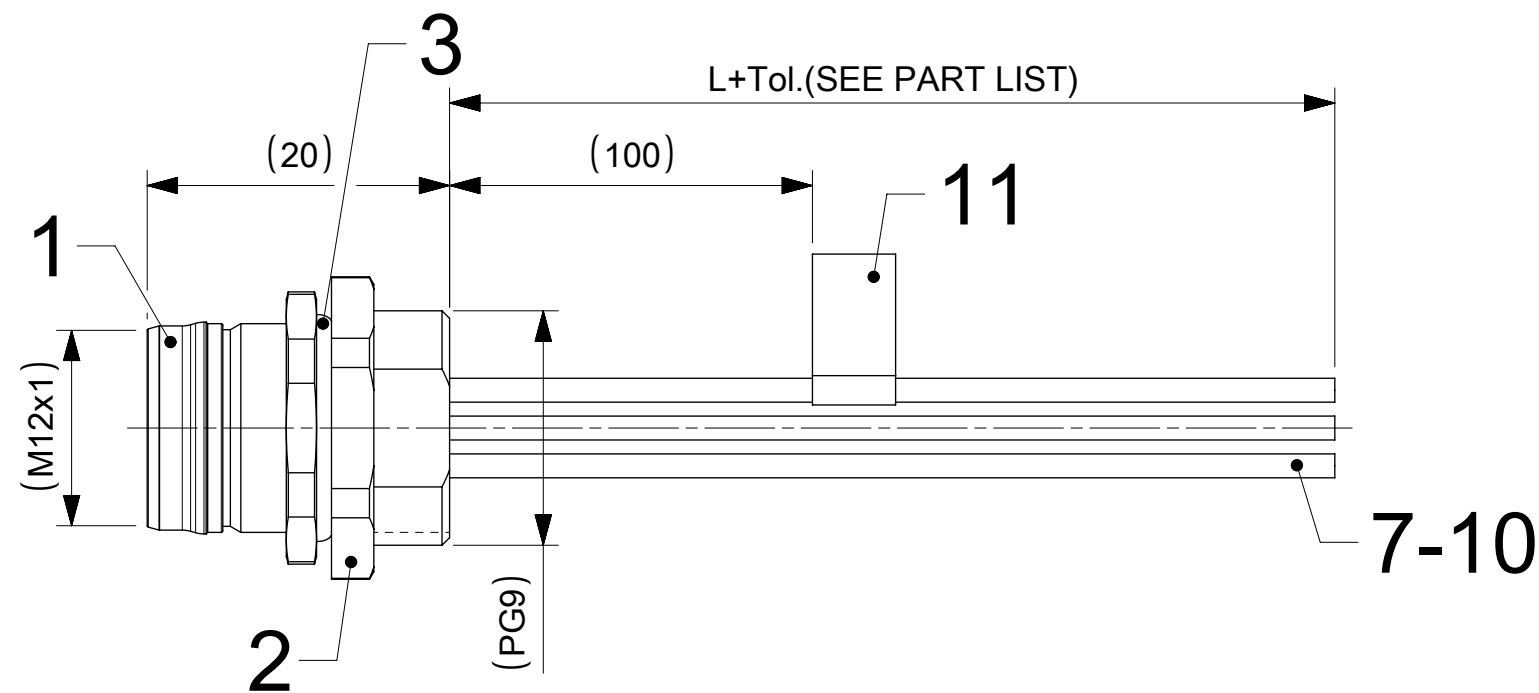
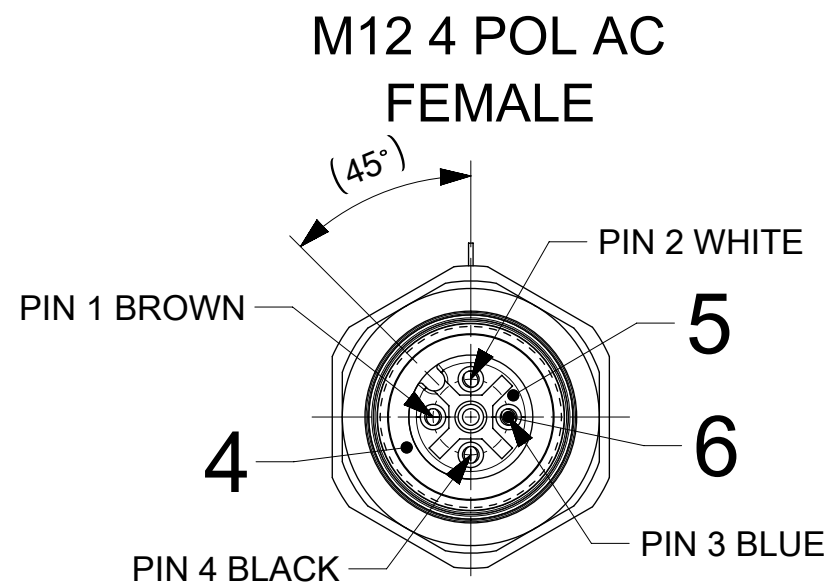
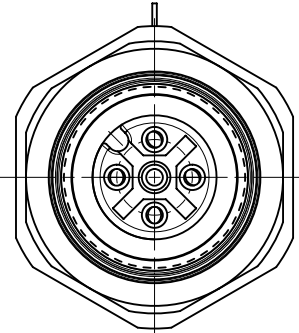
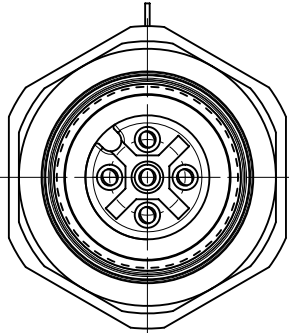
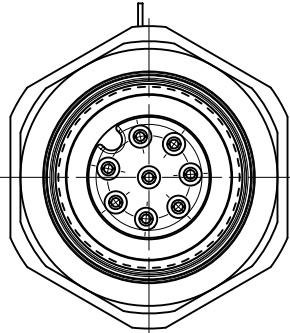
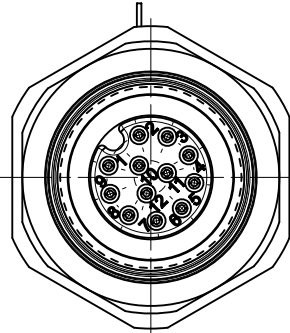
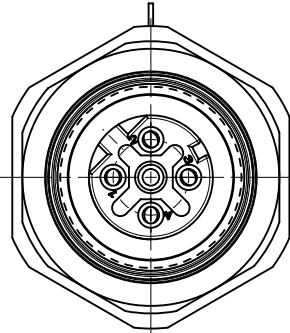




FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE			molex			
	mm		2:1								
	GENERAL TOLERANCES (UNLESS SPECIFIED)							REC U12 XP XC FE PG9 FM WIR BRASS NI XM			
ANGULAR TOL ± 1.0 °											
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 736602 DRWN: RSCHIEBER 2023/01/30 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31			PRODUCT CUSTOMER DRAWING			
	3 PLACES		±								
	2 PLACES		± 0.05					DOCUMENT NUMBER 1204040011 DOC TYPE PSD DOC PART 000 REVISION A1			
	1 PLACE		± 0.3								
	0 PLACES		± 0.5		INITIAL REVISION: DRWN: FDAFERNER 2021/02/16 APPR: RSILLER 2022/07/13						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							THIRD ANGLE PROJECTION		DRAWING A3-SIZE	
								MATERIAL NUMBER SEE PART LIST		CUSTOMER GENERAL MARKET	
										SHEET NUMBER 1 OF 3	

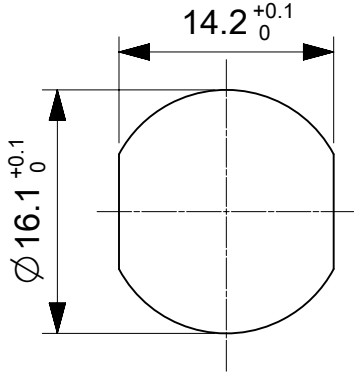
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TABLE 1 - 4P A-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P AC TPU BK UNSH	TPU	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569		BROWN					
9	1	WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569		BLACK					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 2 - 5P A-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 5P AC TPU BK UNSH	TPU	BLACK					
6	5	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569		BROWN					
9	1	WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569		BLACK					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	WIRE;20AWG;GN;YE;1.76;PVC;26x0.16;UL1569		GREEN/YELLOW					
12	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
13	-	POTTING MATERIAL	-	-					
TABLE 3 - 8P A-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 8P AC REC PUR BK UNSH	PUR	BLACK					
6	8	CONTACT 8 FE TUR AU CR SHORT 7/8POLE	BRASS	Au					
7	1	WIRE;24AWG;BU;1.43;PVC;11x0.16;UL1569	PVC	BLUE					
8	1	WIRE;24AWG;BN;1.43;PVC;11x0.16;UL1569		BROWN					
9	1	WIRE;24AWG;YE;1.43;PVC;11x0.16;UL1569		YELLOW					
10	1	WIRE;24AWG;GN;1.43;PVC;11x0.16;UL1569		GREEN					
11	1	WIRE;24AWG;GY;1.43;PVC;11x0.16;UL1569		GREY					
12	1	WIRE;24AWG;PK;1.43;PVC;11x0.16;UL1569		PINK					
13	1	WIRE;24AWG;RD;1.43;PVC;11x0.16;UL1569		RED					
14	1	WIRE;24AWG;WH;1.43;PVC;11x0.16;UL1569		WHITE					
15	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
16	-	POTTING MATERIAL	-	-					
TABLE 4 - 12P A-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 5 - 4P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 6 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 7 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 8 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 9 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 10 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 11 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 12 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 13 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 14 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 15 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569		YELLOW					
10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569		WHITE					
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW					
12	-	POTTING MATERIAL	-	-					
TABLE 16 - 12P D-CODE									
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR					
1	1	SHELL PG9 FE BRASS FM L20 NI REC U12	BRASS	Ni					
2	1	NUT PG9 BRASS NI HEX							
3	1	GASKET OR NBR 11X2 BK	NBR	BLACK					
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED					
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK					
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	BRASS	Au					
7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569	PVC	BLUE					
8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569		ORANGE					
9	1	WIRE;22AWG;YE;1.58							

FORMAT: master-tb-mod-A3
REVISION: J
DATE: 2020/01/14

POLES	4 POLE	5 POLE	8 POLE	12 POLE	4 POLE
LAYOUT					
VOLTAGE RATING	250V	60V	30V	30V	250V
CODING	A - Code	A - Code	A - Code	A - Code	D - Code
AMPERE RATING	4A	4A	2A	1.5A	4A
PROTECTION CLASS CONNECTOR INTERFACE SHELL TO ENCLOSURE	IP 67/69K (in mated condition / when properly installed)				
OPERATING TEMP.	-40°C / 85°C				
UL CERTIFICATION	FILE NO. E152210				
CSA CERTIFICATION	FILE NO. LR6837				
WIRE LEAD	0.34 mm ² PVC	0.34 mm ² PVC	0.25 mm ² PVC	0.14 mm ² PVC	0.34 mm ² PVC
PIN DIAMETER	1.0 mm	1.0 mm	0.8 mm	0.6 mm	1.0 mm
WIRE COLOR	ACCORDING TO IEC 60947-5-2		ACCORDING TO DIN 47100		ACC. TO IEC 60947-5-2

NOTE:
1. PANEL THICKNESS MAX. 5.5mm

RECOMMENDED PANEL CUTOUT

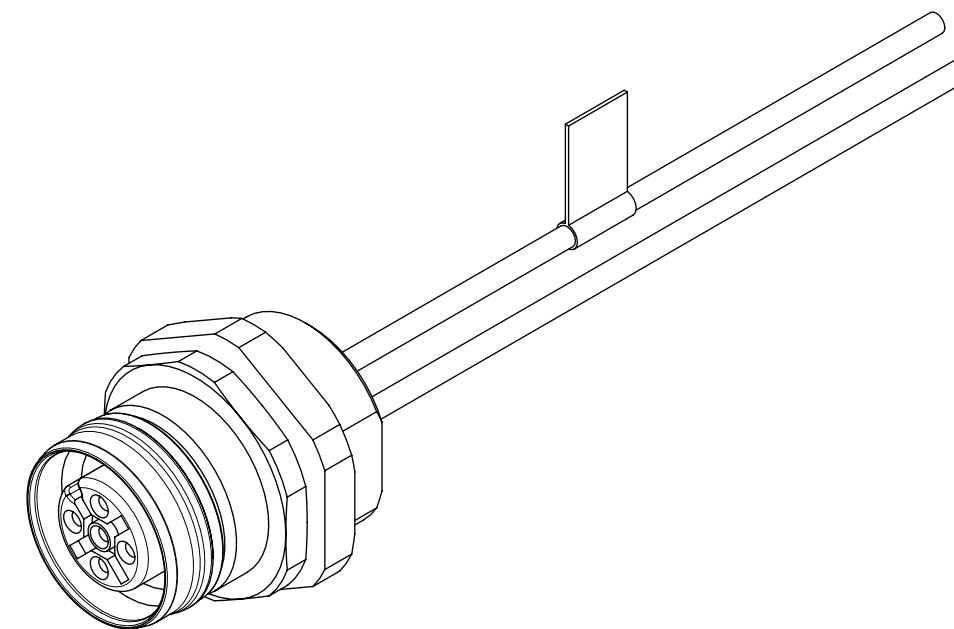


NOTE:
1. PANEL THICKNESS MAX. 5.5mm

RECOMMENDED PANEL CUTOUT

PART LIST 4P AC				
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204040011	YR4J20E03C300	REC U12 4P AC FE PG9 FM WIR BRASS NI 0.3M	300	+40
1204040036	YR4J20E03C500	REC U12 4P AC FE PG9 FM WIR BRASS NI 0.5M	500	+40

DOCUMENT STATUS	P1	RELEASE DATE	2023/01/31	08:21:37
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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: CHANGED MIN. TEMP. IN TABLE			molex								
	mm		2:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL ± 1.0°															
	4 PLACES		±					REC U12 XP XC FE PG9 FM WIR BRASS NI XM								
	3 PLACES		±													
	2 PLACES		± 0.05													
	1 PLACE		± 0.3		PRODUCT CUSTOMER DRAWING											
	0 PLACES		± 0.5													
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		120404		SEE PART LIST		GENERAL MARKET		3 OF 3	