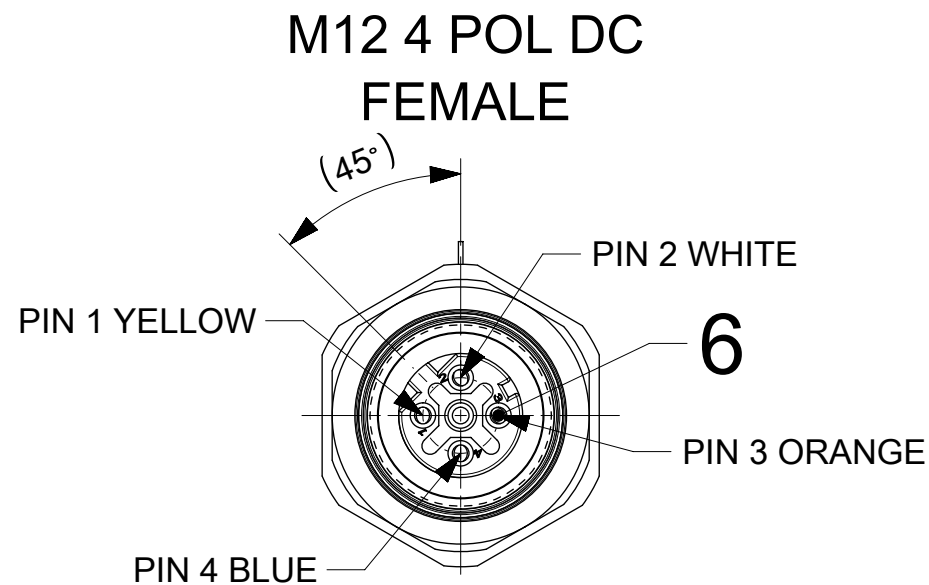
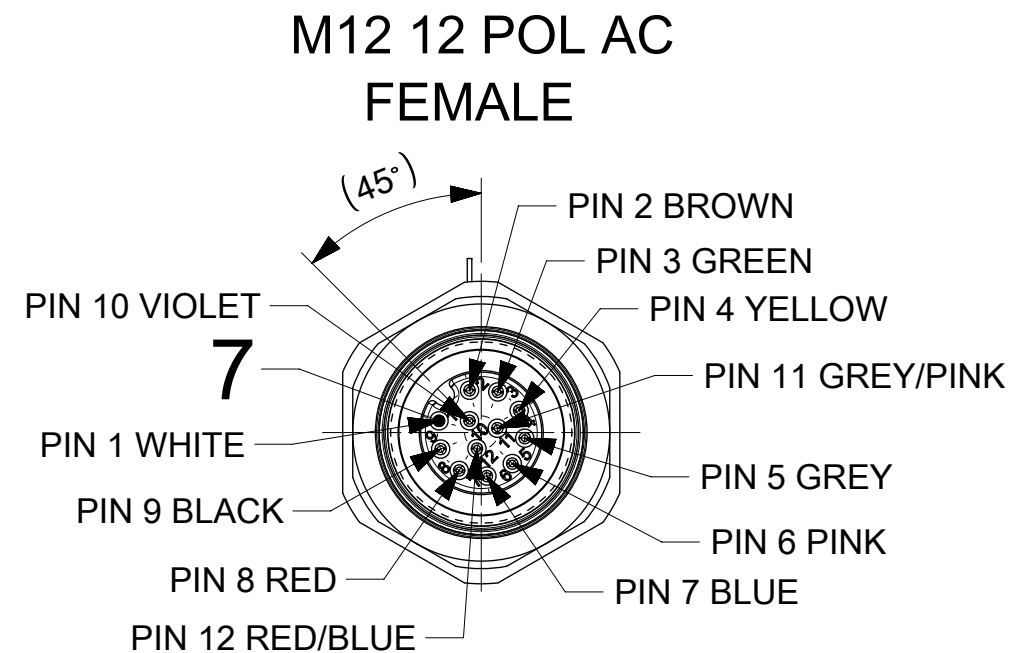
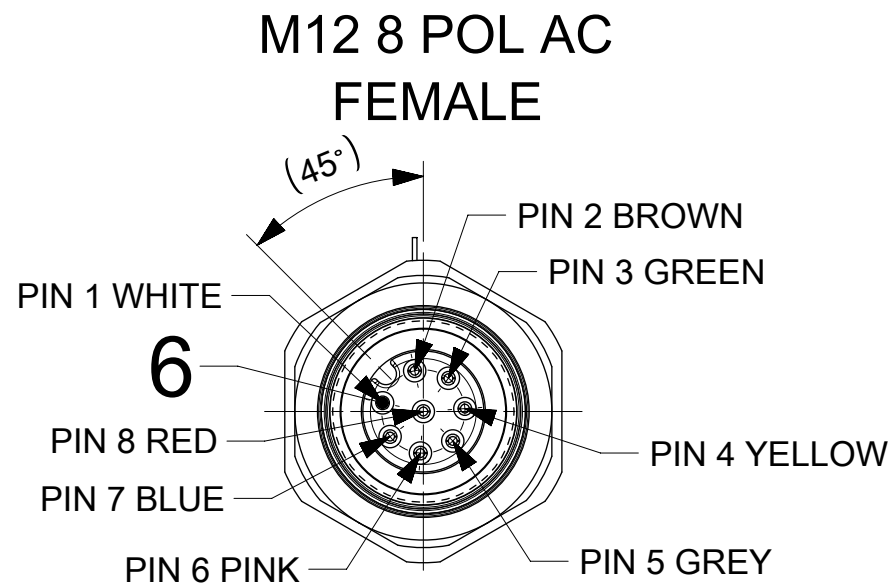
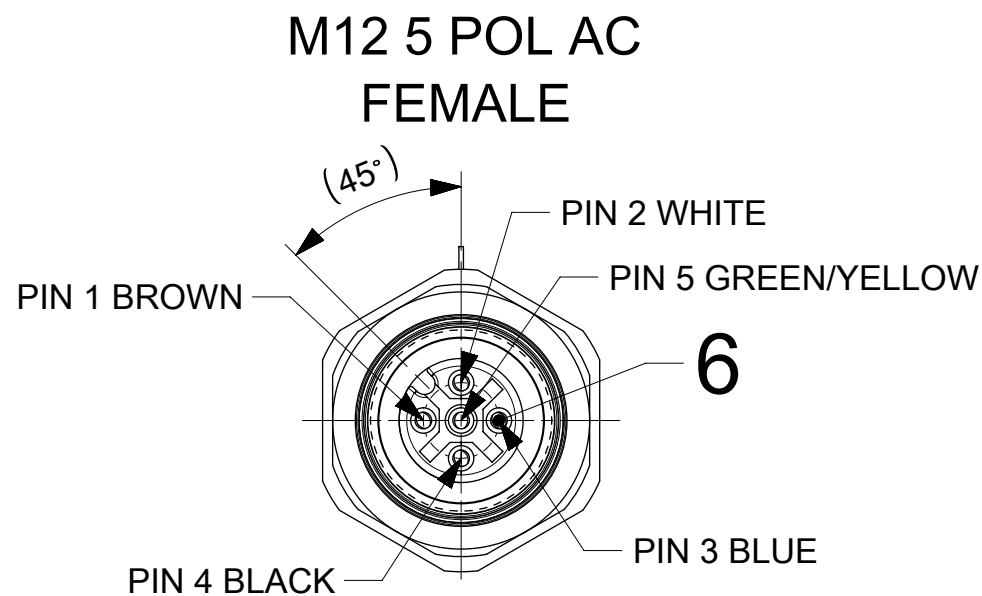
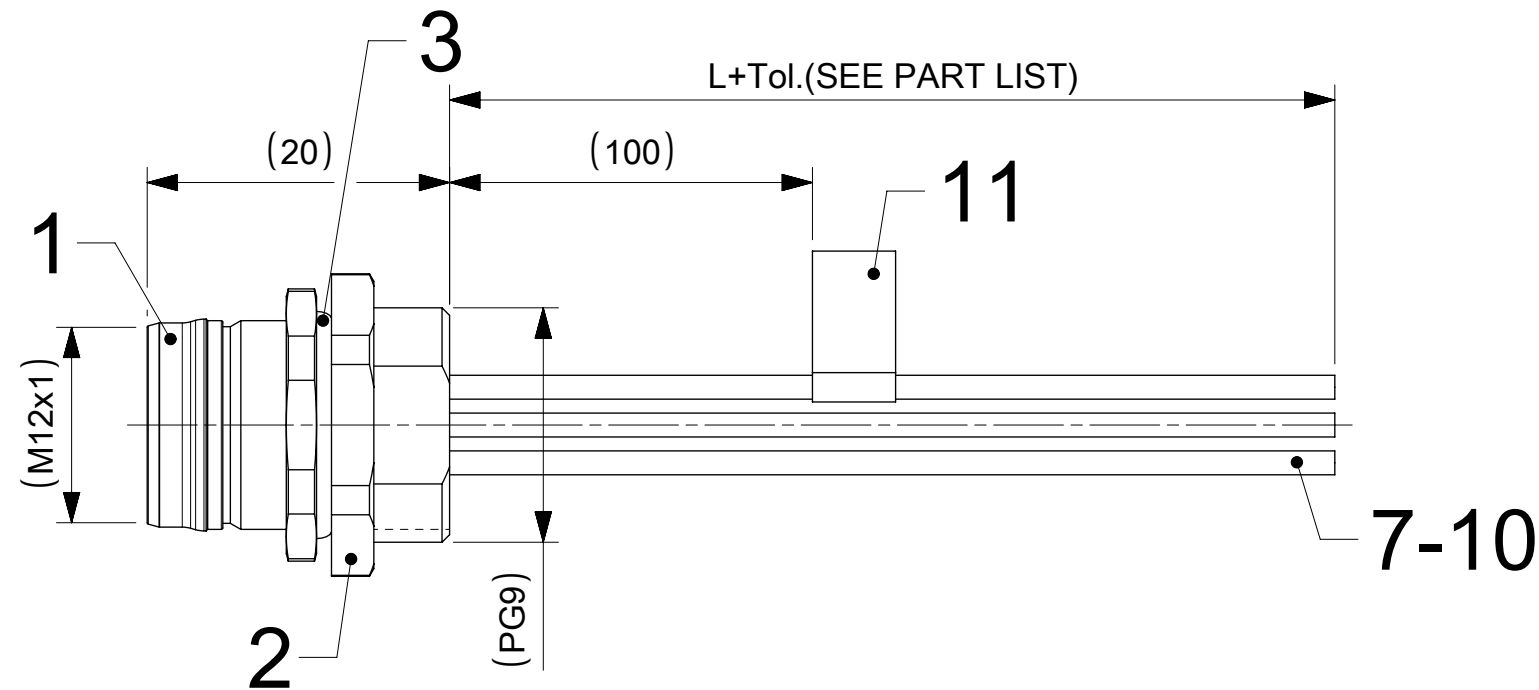
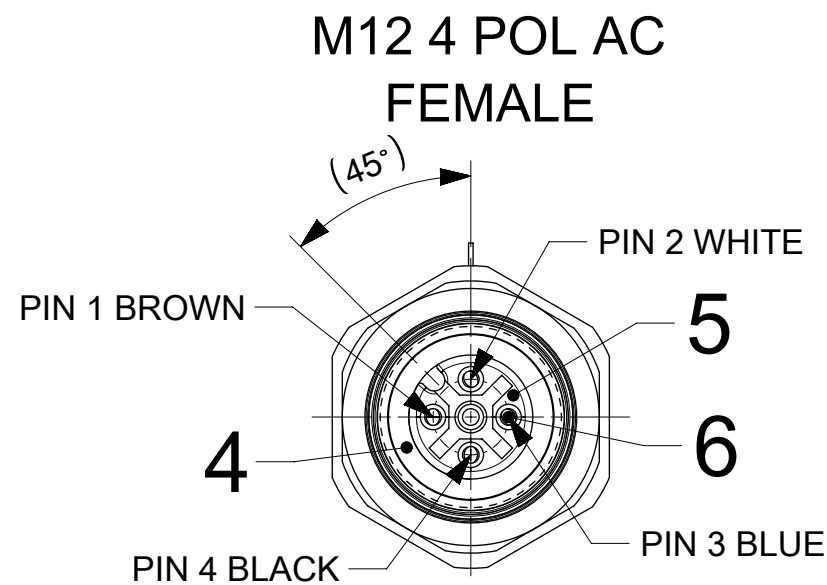




FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
$\nabla_A = 0$	mm	2:1
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	
$\nabla_P = 0$	ANGULAR TOL $\pm 1.0^\circ$	
DIVISIONAL SYMBOLS	4 PLACES	$\pm$
	3 PLACES	$\pm$
	2 PLACES	± 0.05
	1 PLACE	± 0.3
	0 PLACES	± 0.5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION
		DRAWING
		SERIES
		MATERIAL NUMBER
		CUSTOMER
		SHEET NUMBER

EC NO: 736602	2023/01/30
DRWN: RSCHIEBER	2023/01/31
CHK'D: RSILLER	2023/01/31
APPR: RSILLER	2023/01/31
INITIAL REVISION:	
DRWN: FDAFERNER	2021/02/16
APPR: RSILLER	2022/07/13

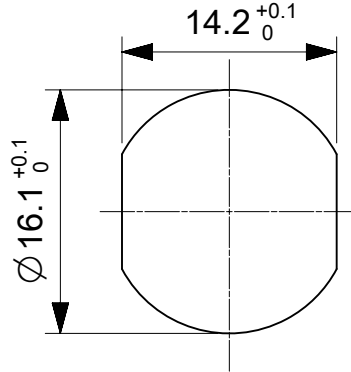
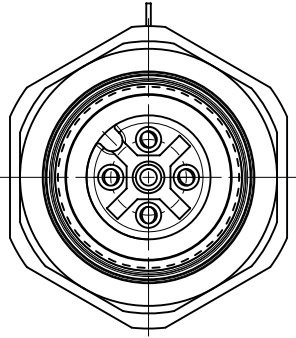
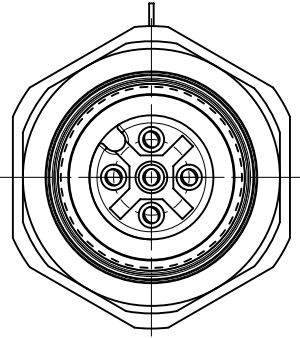
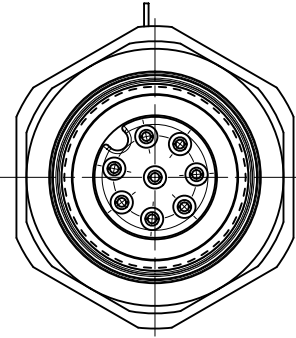
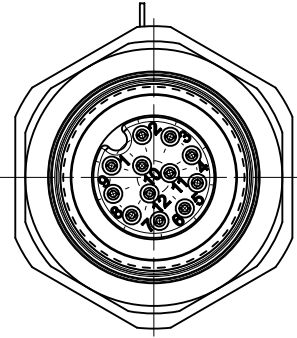
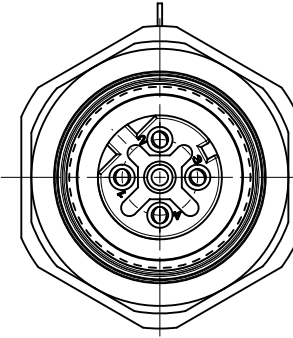
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204040011	PSD	000	A1

SEE PART LIST	GENERAL MARKET	1 OF 3
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F	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						
	E	10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569	PVC	WHITE					
11		1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL		YELLOW					
12		-	POTTING MATERIAL	-		-					
D	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						
	C	11	1	WIRE;20AWG;GN/YE;1.76;PVC;26x0.16;UL1569	PVC	GREEN/YELLOW					
12		1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL		YELLOW					
13		-	POTTING MATERIAL	-		-					
B	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						
	A	13	1	WIRE;24AWG;RD;1.43;PVC;11x0.16;UL1569	PVC	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	-		-					
DOCUMENT STATUS P1 RELEASE DATE 2023/01/31 08:21:37											

	10	9	8	7	6	5	4	3	2	1	
F	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 12P AC PUR BK SHD	PUR	BLACK						
	6	1	M12S-FRONT SHELL-FEMALE SHIELD	BRASS	Ni						
	7	12	M12-Fem-Contact-12pol		Au						
	E	8	1	WIRE;26AWG;BU;1.30;PVC;7x0.16;UL1569	PVC	BLUE					
		9	1	WIRE;26AWG;BN;1.30;PVC;7x0.16;UL1569		BROWN					
		10	1	WIRE;26AWG;YE;1.30;PVC;7x0.16;UL1569		YELLOW					
11		1	WIRE;26AWG;GN;1.30;PVC;7x0.16;UL1569	GREEN							
12		1	WIRE;26AWG;GY;1.30;PVC;7x0.16;UL1569	GREY							
13		1	WIRE;26AWG;PK;1.30;PVC;7x0.16;UL1569	PINK							
14		1	WIRE;26AWG;RD;1.30;PVC;7x0.16;UL1569	RED							
15		1	WIRE;26AWG;BK;1.30;PVC;7x0.16;UL1569	BLACK							
16		1	WIRE;26AWG;VT;1.30;PVC;7x0.16;UL1569	VIOLET							
17		1	WIRE;26AWG;WH;1.30;PVC;7x0.16;UL1569	WHITE							
18		1	WIRE;26AWG;GY/PK;1.30;PVC;7x0.16;UL1569	GREY/PINK							
D		19	1	WIRE;26AWG;RD/BU;1.30;PVC;7x0.16;UL1569		RED/BLUE					
	20	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW						
	21	-	POTTING MATERIAL	-	-						
C	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						
B	11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW						
	12	-	POTTING MATERIAL	-	-						
A	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						
B	11	1	LABEL;SELF L.YELLOW(2.25X.75IN)	VINYL	YELLOW						
	12	-	POTTING MATERIAL	-	-						
A	TABLE 7 - 8P 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 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								
A	13	1	WIRE;24AWG;RD;1.43;PVC;11x0.16;UL1569	PVC	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		-	-					
DOCUMENT STATUS P1 RELEASE DATE 2023/01/31 08:21:37											

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
	= 0	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
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
	THIRD ANGLE PROJECTION	
	DRAWING	SERIES
	A3-SIZE	120404
	MATERIAL NUMBER	
	CUSTOMER	
	SHEET NUMBER	
	SEE PART LIST	
	GENERAL MARKET	
	2 OF 3	

10	9	8	7	6	5	4	3	2	1			
POLES		4 POLE		5 POLE		8 POLE		12 POLE		4 POLE		NOTE: 1. PANEL THICKNESS MAX. 5.5mm RECOMMENDED PANEL CUTOUT 
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		IP 67/69K (in mated condition / when properly installed)										
CONNECTOR INTERFACE												
SHELL TO ENCLOSURE												
OPERATING TEMP.		-40°C / 85°C										
UL CERTIFICATION		FILE NO. E152210										
CSA CERTIFICATION		FILE NO. LR6837										
WIRE LEAD		0.34 mm² PVC		0.34 mm² PVC		0.25 mm² PVC		0.14 mm² PVC		0.34 mm² 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		
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					
PART LIST 5P AC												
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION				L [mm]	TOL					
1204040012	YR5J20E03C300	REC U12 5P AC FE PG9 FM WIR BRASS NI 0.3M				300	+40					
1204040037	YR5J20E03C500	REC U12 5P AC FE PG9 FM WIR BRASS NI 0.5M				500	+40					
PART LIST 8P AC												
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION				L [mm]	TOL					
1204040013	YR8J20E02C300	REC U12 8P AC FE PG9 FM WIR BRASS NI 0.3M				300	+40					
1204040038	YR8J20E02C500	REC U12 8P AC FE PG9 FM WIR BRASS NI 0.5M				500	+40					
PART LIST 12P AC												
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION				L [mm]	TOL					
1204040014	YRCJ20E01C300	REC U12 12P AC FE PG9 FM WIR BRASS NI 0.3M				300	+40					
1204040039	YRCJ20E01C500	REC U12 12P AC FE PG9 FM WIR BRASS NI 0.5M				500	+40					
PART LIST 4P DC												
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION				L [mm]	TOL					
1204063002	ERYA2J20E03C300	REC U12 4P DC FE PG9 FM WIR BRASS NI 0.3M				300	+40					
1204063005	ERYA2J20E03C500	REC U12 4P DC FE PG9 FM WIR BRASS NI 0.5M				500	+40					
DOCUMENT STATUS		P1	RELEASE DATE	2023/01/31	08:21:37							
		10	9	8	7	6	5	4	3	2	1	

3D Isometric View of the Molex Connector

FUNCTIONAL SYMBOLS

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

mm

2:1

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

EC NO: 736602

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2023/01/30

2023/01/31

2023/01/31

INITIAL REVISION:

DRWN: FDAFERNER

APPR: RSILLER

2021/02/16

2022/07/13

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

3

2

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3 OF 3

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