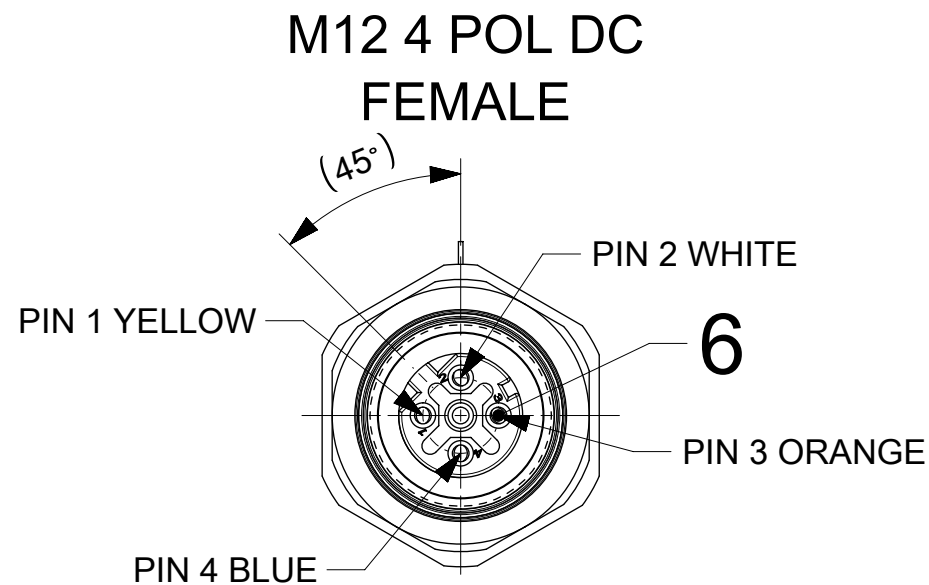
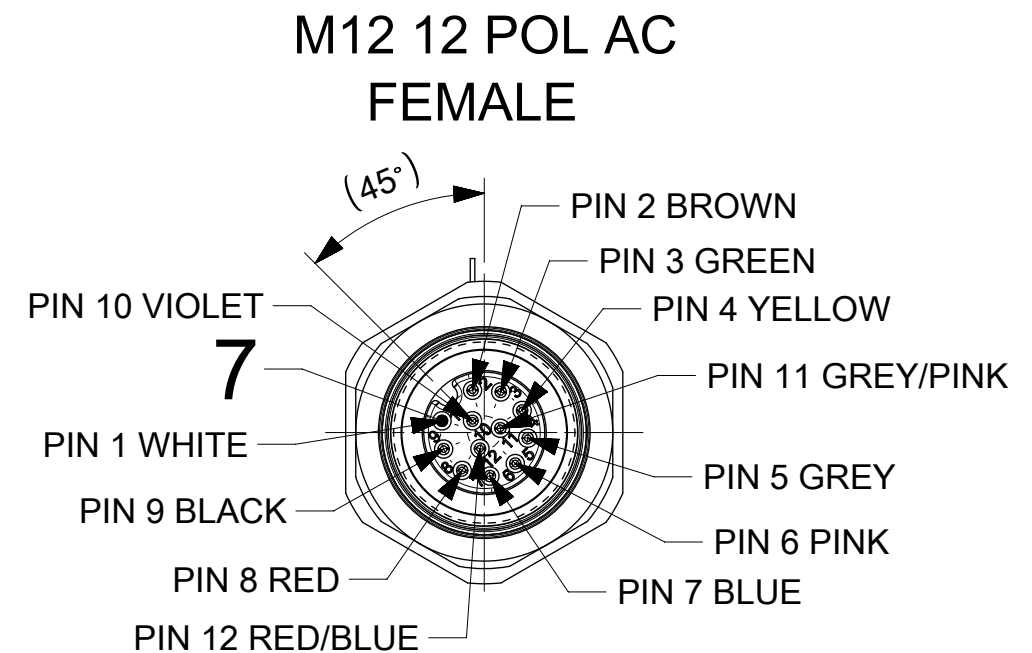
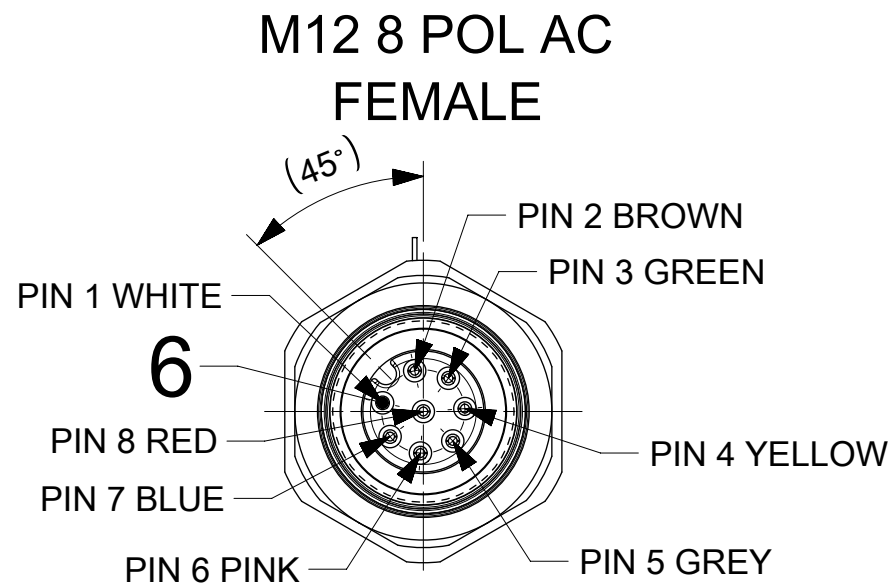
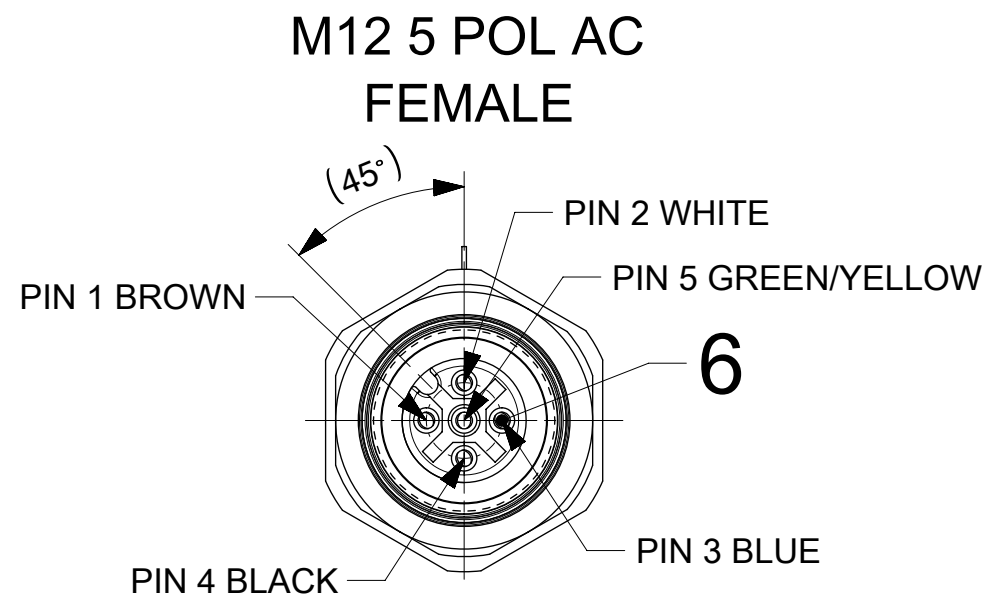
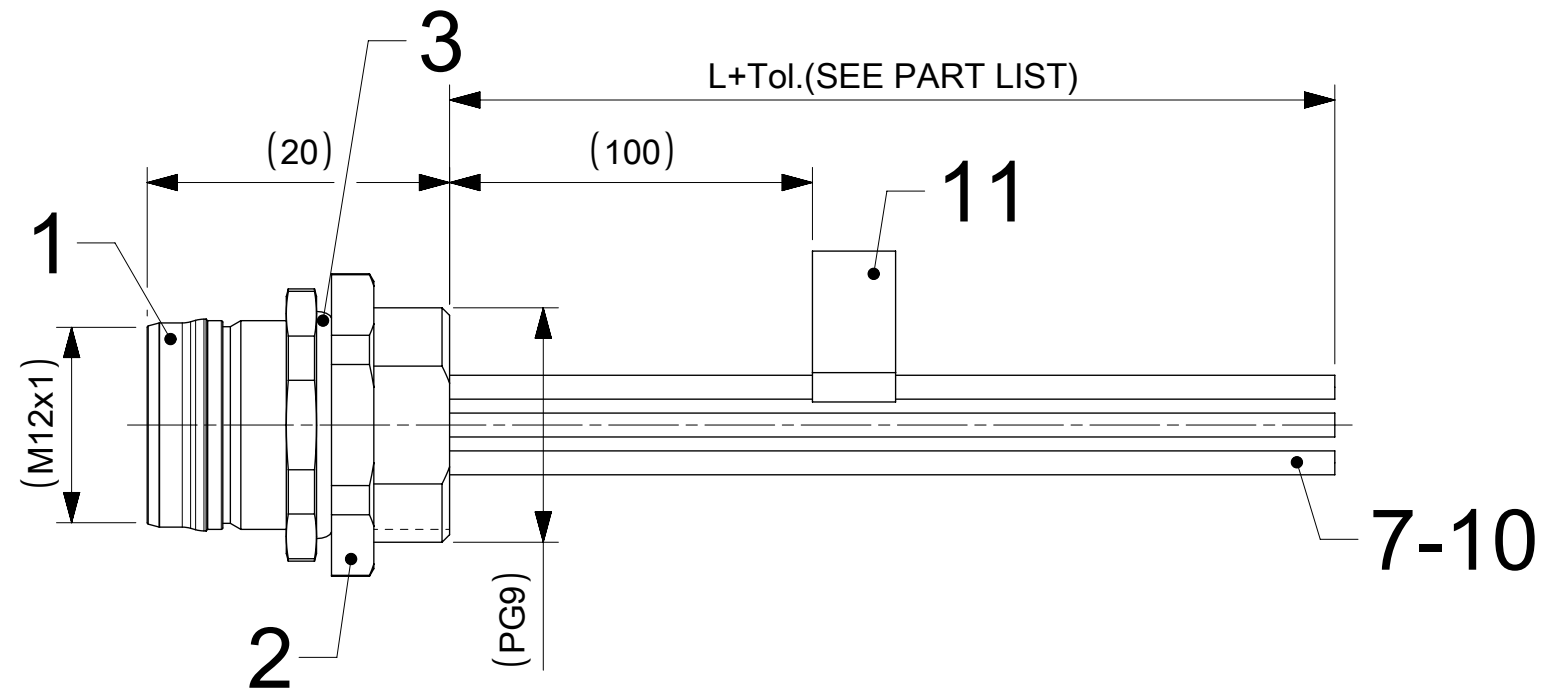
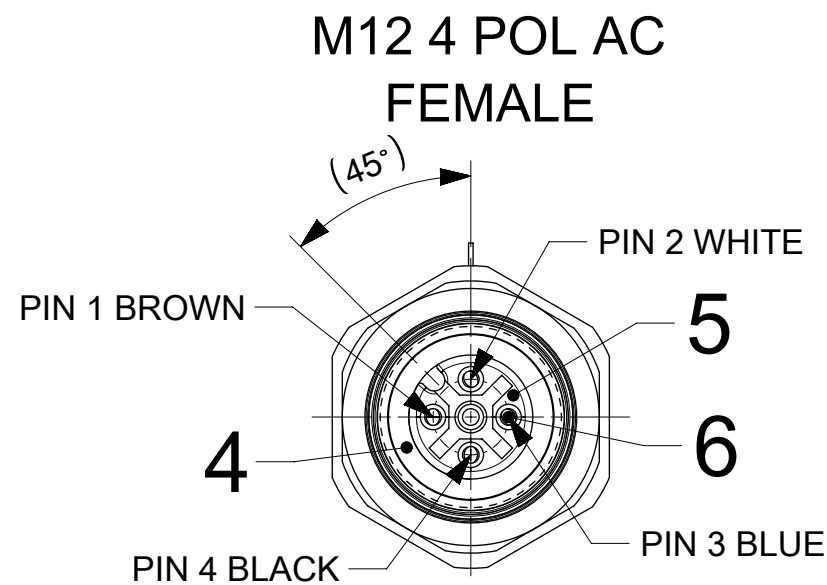




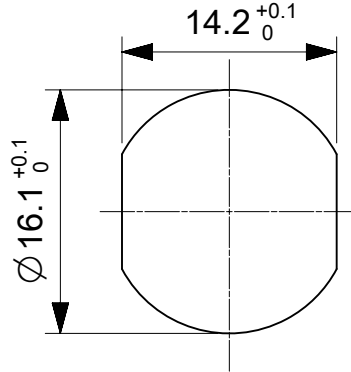
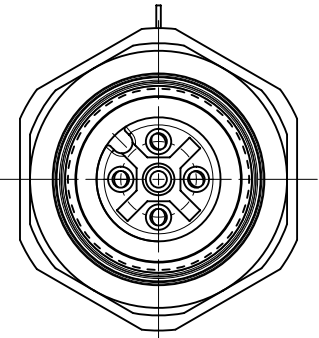
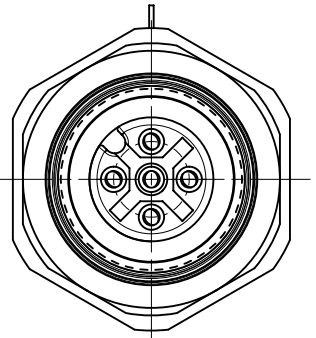
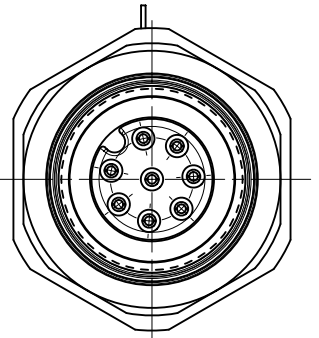
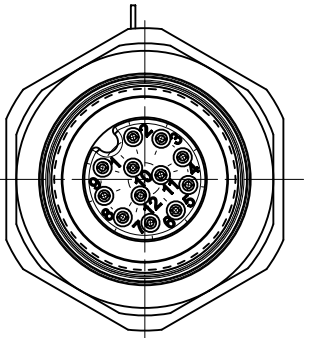
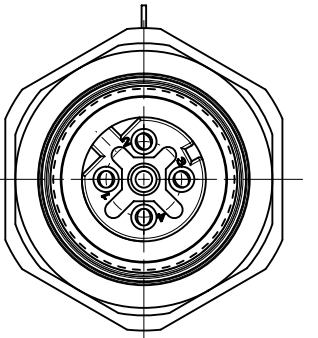
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
$\nabla_A = 0$	mm	2:1
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	
$\nabla_F = 0$	ANGULAR TOL $\pm 1.0^\circ$	
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	10		9		8		7		6		5		4		3		2		1			
	TABLE 1 - 4P A-CODE										TABLE 4 - 12P A-CODE											
	ITEM	QTY	DESCRIPTION			MATERIAL	FINISH/COLOR		ITEM	QTY	DESCRIPTION			MATERIAL	FINISH/COLOR							
	1	1	SHELL PG9 FE BRASS FM L20 NI REC U12			BRASS	Ni		1	1	SHELL PG9 FE BRASS FM L20 NI REC U12			BRASS	Ni							
	2	1	NUT PG9 BRASS NI HEX						2	1	NUT PG9 BRASS NI HEX											
	3	1	GASKET OR NBR 11X2 BK			NBR	BLACK		3	1	GASKET OR NBR 11X2 BK			NBR	BLACK							
	4	1	GASKET OR FPM 7.1X1.35 RD 60			FPM	RED		4	1	GASKET OR FPM 7.1X1.35 RD 60			FPM	RED							
	5	1	INSERT M12 FE 4P AC TPU BK UNSH			TPU	BLACK		5	1	INSERT M12 FE 12P AC PUR BK SHD			PUR	BLACK							
	6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50			BRASS	Au		6	1	M12S-FRONT SHELL-FEMALE SHIELD			BRASS	Ni							
	7	1	WIRE;22AWG;BU;1.58;PVC;17x0.16;UL1569			PVC	BLUE		7	12	M12-Fem-Contact-12pol				Au							
	8	1	WIRE;22AWG;BN;1.58;PVC;17x0.16;UL1569				BROWN		8	1	WIRE;26AWG;BU;1.30;PVC;7x0.16;UL1569			PVC	BLUE							
	9	1	WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569				BLACK		9	1	WIRE;26AWG;BN;1.30;PVC;7x0.16;UL1569				BROWN							
	10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569				WHITE		10	1	WIRE;26AWG;YE;1.30;PVC;7x0.16;UL1569				YELLOW							
11	1	LABEL;SELF L.YELLOW(2.25X.75IN)			VINYL	YELLOW		11	1	WIRE;26AWG;GN;1.30;PVC;7x0.16;UL1569			GREEN									
12	-	POTTING MATERIAL			-	-		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										
							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			-	-									
D	TABLE 2 - 5P A-CODE										TABLE 5 - 4P D-CODE											
	ITEM	QTY	DESCRIPTION			MATERIAL	FINISH/COLOR		ITEM	QTY	DESCRIPTION			MATERIAL	FINISH/COLOR							
	1	1	SHELL PG9 FE BRASS FM L20 NI REC U12			BRASS	Ni		1	1	SHELL PG9 FE BRASS FM L20 NI REC U12			BRASS	Ni							
	2	1	NUT PG9 BRASS NI HEX						2	1	NUT PG9 BRASS NI HEX											
	3	1	GASKET OR NBR 11X2 BK			NBR	BLACK		3	1	GASKET OR NBR 11X2 BK			NBR	BLACK							
	4	1	GASKET OR FPM 7.1X1.35 RD 60			FPM	RED		4	1	GASKET OR FPM 7.1X1.35 RD 60			FPM	RED							
	5	1	INSERT M12 FE 5P AC TPU BK UNSH			TPU	BLACK		5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH			PUR	BLACK							
	6	5	CONTACT 10 FE STA AU CR WRA 0.14-0.50			BRASS	Au		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		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		8	1	WIRE;22AWG;OG;1.58;PVC;17x0.16;UL1569				ORANGE							
	9	1	WIRE;22AWG;BK;1.58;PVC;17x0.16;UL1569				BLACK		9	1	WIRE;22AWG;YE;1.58;PVC;17x0.16;UL1569				YELLOW							
	10	1	WIRE;22AWG;WH;1.58;PVC;17x0.16;UL1569				WHITE		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		11	1	LABEL;SELF L.YELLOW(2.25X.75IN)			VINYL	YELLOW							
12	1	LABEL;SELF L.YELLOW(2.25X.75IN)			VINYL	YELLOW		12	-	POTTING MATERIAL			-	-								
13	-	POTTING MATERIAL			-	-																
C	TABLE 3 - 8P A-CODE										A											
	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			-	-																
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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

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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

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

A3-SIZE

120404

SEE PART LIST

GENERAL MARKET

3 OF 3

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