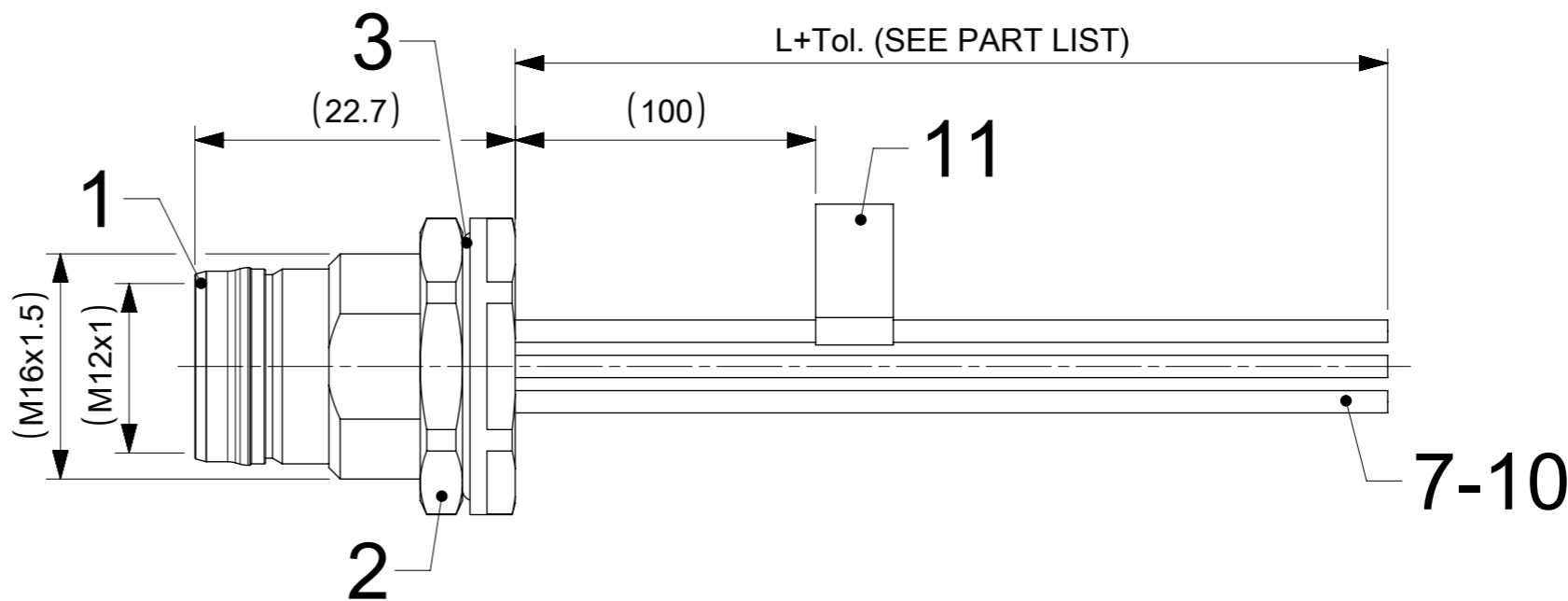
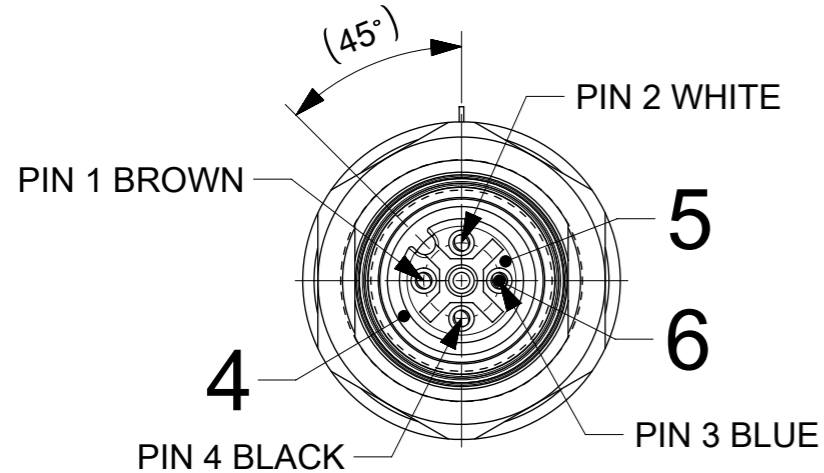
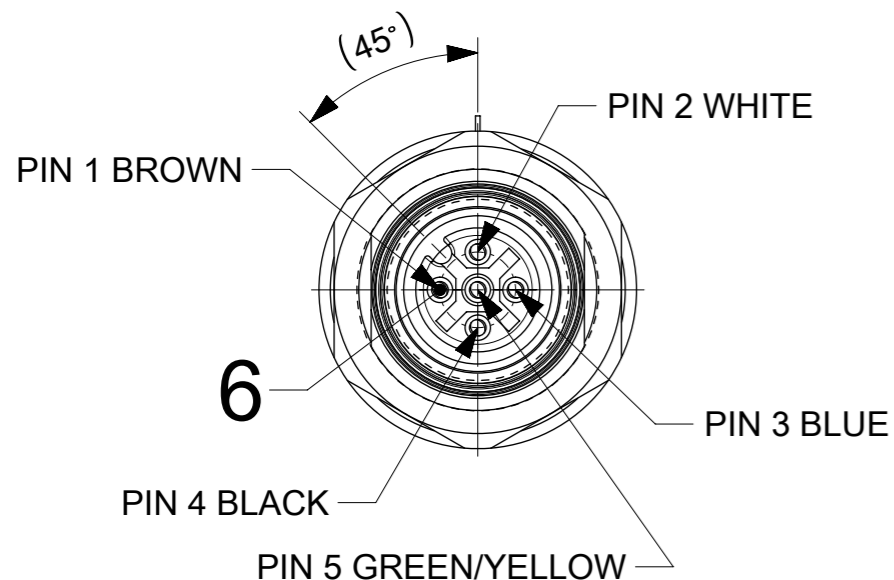


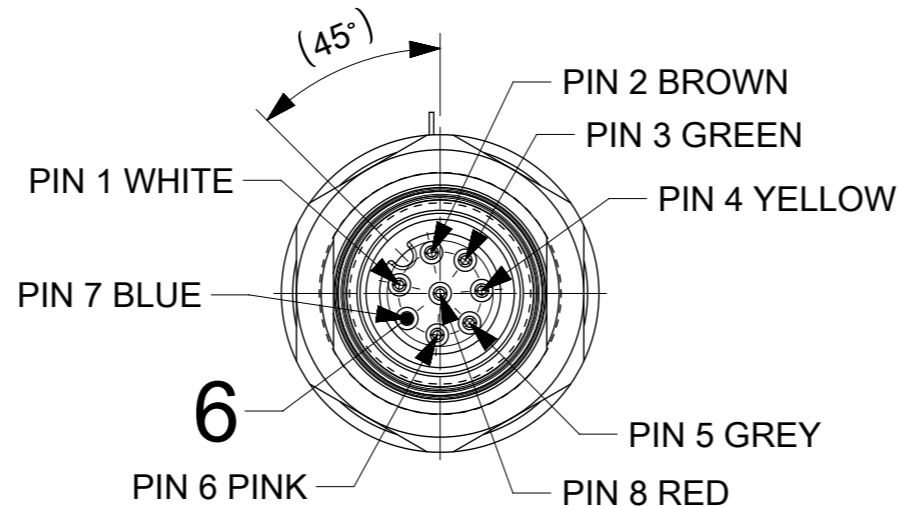
**M12 4 POL AC FEMALE**



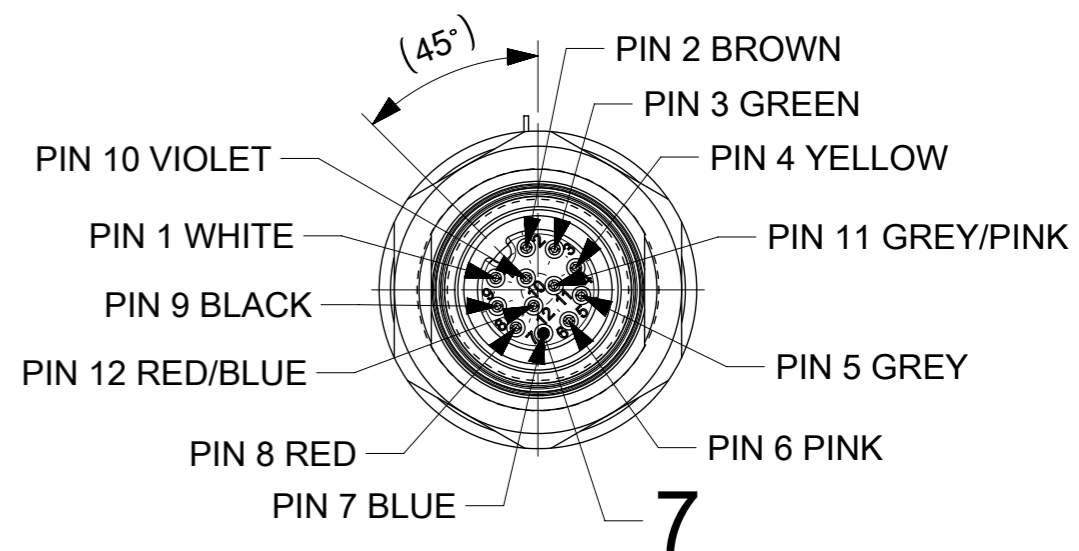
**M12 5 POL AC FEMALE**



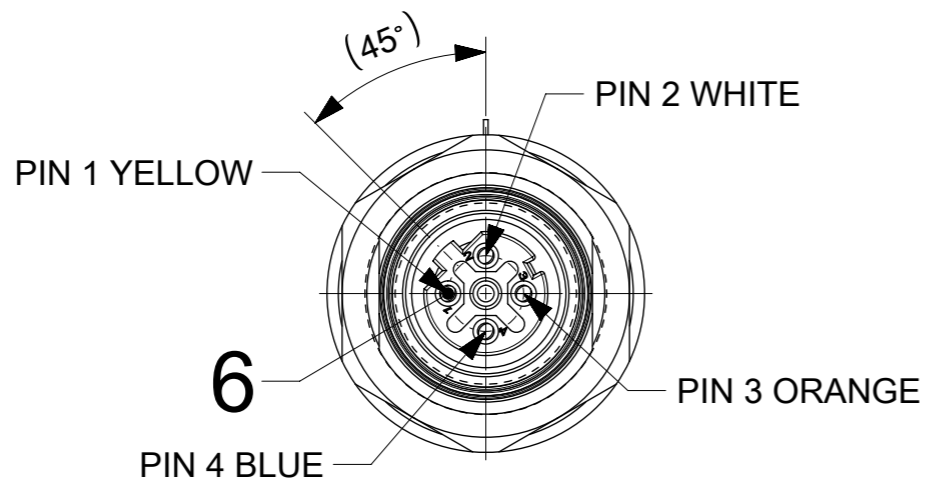
**M12 8 POL AC FEMALE**



**M12 12 POL AC FEMALE**



**M12 4 POL DC FEMALE**



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	EC NO: 736602 DRWN: RSCHIEBER 2023/01/27 CHK'D: RSILLER 2023/01/31 APPR: RSILLER 2023/01/31 INITIAL REVISION: DRWN: FDAFERNER 2021/02/10 APPR: RSILLER 2022/07/12		
GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla_E = 0$	ANGULAR TOL $\pm 1.0^\circ$				
$\nabla_F = 0$	4 PLACES $\pm$				
DIVISIONAL SYMBOLS	3 PLACES $\pm$				
	2 PLACES $\pm 0.05$		PRODUCT CUSTOMER DRAWING		
	1 PLACE $\pm 0.3$		DOCUMENT NUMBER		DOC TYPE
	0 PLACES $\pm 0.5$		1204040001		PSD 000
	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	1 OF 3

TABLE 1 - 4P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS BM L22.7 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR EPDM 16X1.5 BK 70	EPDM	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 M16 FE BRASS BM L22.7 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR EPDM 16X1.5 BK 70	EPDM	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 4 - 8P A-CODE


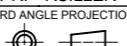
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS BM L22.7 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR EPDM 16X1.5 BK 70	EPDM	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 8P AC REC PUR BK UNSH	PUR	BLACK
6	8	CONTACT 8 FE TUR AU CR SHORT 7/8POLE	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	-	-

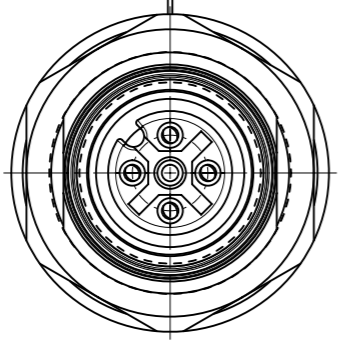
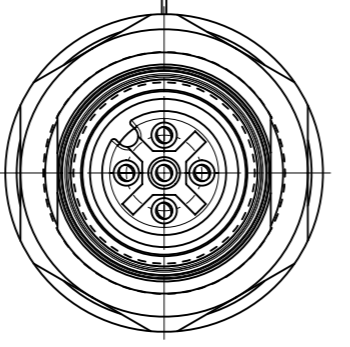
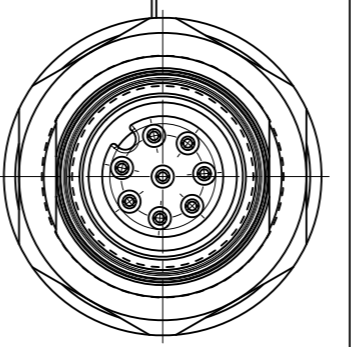
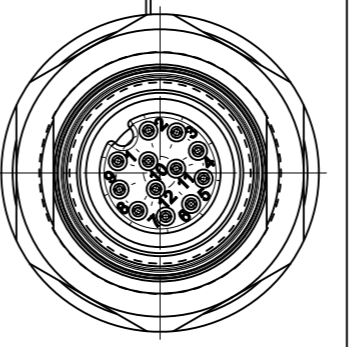
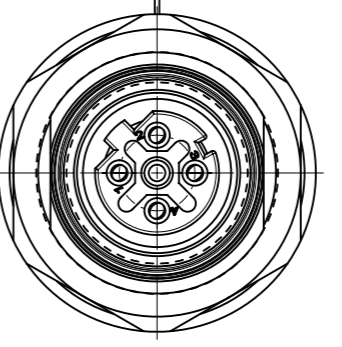
TABLE 4 - 12P A-CODE

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS BM L22.7 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR EPDM 16X1.5 BK 70	EPDM	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
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
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	-	-

TABLE 5 - 4P D-CODE

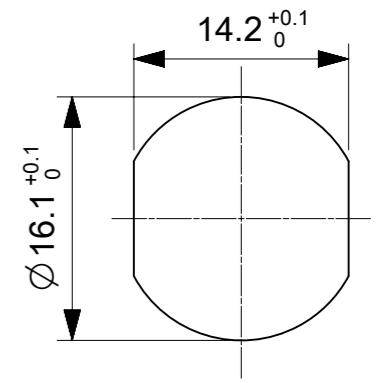
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M16 FE BRASS BM L22.7 NI REC U12	BRASS	Ni
2	1	M16 X 1.5 LOCKNUT NICKEL PLATED		
3	1	GASKET OR EPDM 16X1.5 BK 70	EPDM	BLACK
4	1	GASKET OR FPM 7.1X1.35 RD 60	FPM	RED
5	1	INSERT M12 FE 4P DC CSE PUR BK UNSH	PUR	BLACK
6	4	CONTACT 10 FE STA AU CR WRA 0.14-0.50	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	-	-

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE									
	$\sqrt{A} = 0$ $\sqrt{E} = 0$ $\sqrt{F} = 0$	DIMENSION UNITS: <b>mm</b> SCALE: <b>1:1</b>	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL $\pm 1.0^\circ$								
DIVISIONAL SYMBOLS	EC NO: 736602	DRWN: RSCHIEBER	2023/01/27	PRODUCT CUSTOMER DRAWING							
	4 PLACES $\pm$ 3 PLACES $\pm$ 2 PLACES $\pm 0.05$ 1 PLACE $\pm 0.3$ 0 PLACES $\pm 0.5$	CHK'D: RSILLER APPR: RSILLER	2023/01/31 2023/01/31								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	SHEET NUMBER
			A3-SIZE	120404	SEE PART LIST	GENERAL MARKET	1204040001	PSD	000	A1	2 OF 3

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 <sup>2</sup> PVC	0.34 mm <sup>2</sup> PVC	0.25 mm <sup>2</sup> PVC	0.14 mm <sup>2</sup> PVC	0.34 mm <sup>2</sup> 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. 6.2mm

RECOMMENDED PANEL CUTOUT



PART LIST 4P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204040001	YR4U40E03C300	REC U12 4P AC FE M16 BM WIR BRASS NI 0.3M	300	+40
1204040031	YR4U40E03C500	REC U12 4P AC FE M16 BM WIR BRASS NI 0.5M	500	+40

PART LIST 5P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204040002	YR5U40E03C300	REC U12 5P AC FE M16 BM WIR BRASS NI 0.3M	300	+40
1204040032	YR5U40E03C500	REC U12 5P AC FE M16 BM WIR BRASS NI 0.5M	500	+40

PART LIST 8P AC

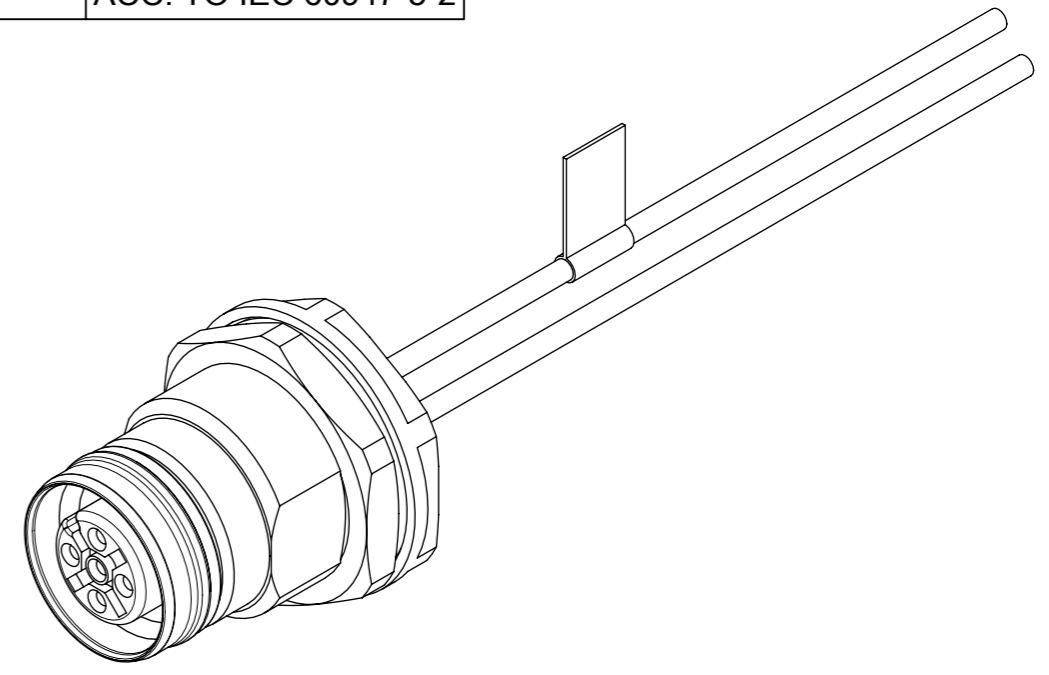
MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204040003	YR8U40E02C300	REC U12 8P AC FE M16 BM WIR BRASS NI 0.3M	300	+40
1204040033	YR8U40E02C500	REC U12 8P AC FE M16 BM WIR BRASS NI 0.5M	500	+40


PART LIST 12P AC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204040004	YRCU40E01C300	REC U12 12P AC FE M16 BM WIR BRASS NI 0.3M	300	+40
1204040034	YRCU40E01C500	REC U12 12P AC FE M16 BM WIR BRASS NI 0.5M	500	+40

PART LIST 4P DC

MOLEX P/N	ENGINEERING NUMBER	DESCRIPTION	L [mm]	TOL
1204063001	ERYA2U40E03C300	REC U12 4P DC FE M16 BM WIR BRASS NI 0.3M	300	+40
1204063004	ERYA2U40E03C500	REC U12 4P DC FE M16 BM WIR BRASS NI 0.5M	500	+40



FUNCTIONAL SYMBOLS ▽A = 0 ▽E = 0 ▽F = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CHANGED MIN. TEMP. IN TABLE		
	mm	SCALE 2:1	 REC U12 XP XC FE M16 BM WIR BRASS NI		
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL ± 1.0°		EC NO: 736602	2023/01/27	DOCUMENT NUMBER <b>1204040001</b> DOC TYPE DOC PART REVISION PSD 000 A1
4 PLACES ±		DRWN: RSCHIEBER	2023/01/31		
3 PLACES ±		CHK'D: RSILLER	2023/01/31		
2 PLACES ± 0.05		APPR: RSILLER	2023/01/31		
1 PLACE ± 0.3		INITIAL REVISION:	2021/02/10	MATERIAL NUMBER <b>120404</b> CUSTOMER GENERAL MARKET	
0 PLACES ± 0.5		DRWN: FDAERNER	2022/07/12		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 120404	
				SHEET NUMBER 3 OF 3	