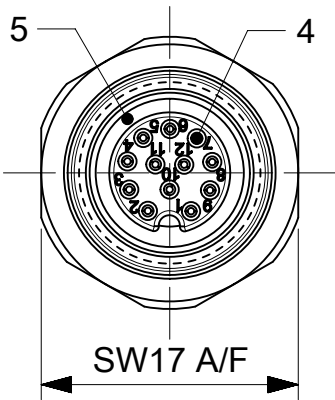
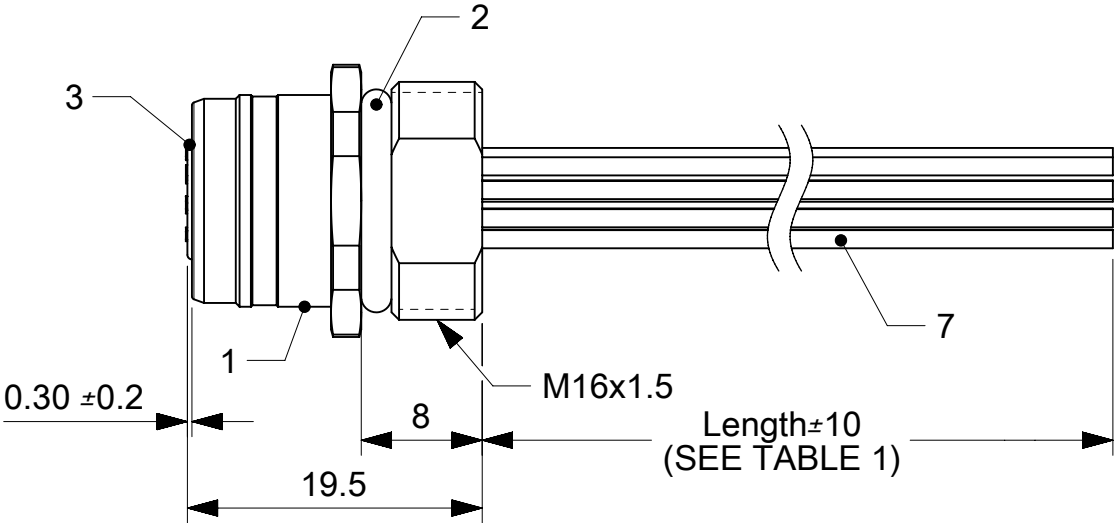
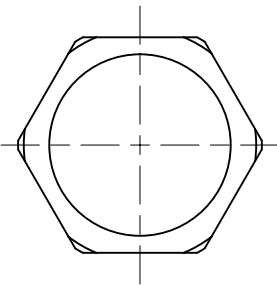


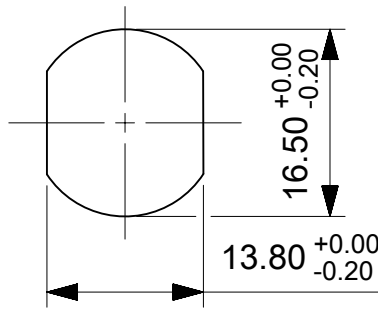
10		9		8		7	
GENERAL CHARACTERISTICS				STANDARD			
No. OF CONTACTS				IEC 947-5-2		12	
RATED VOLTAGE				IEC 664		30V AC/DC	
POLLUTION DEGREE				IEC 664		3	
CURRENT CARRYING CAPACITY				IEC 512-3 TEST 5b		1.5A	
CONTACT RESISTANCE				IEC 512-2 TEST 2 A		< 5 mOhm	
RATED IMPULSE WITHSTAND VOLTAGE				IEC 664		0.8 kV	
TEST VOLTAGE				IEC 60512-2 TEST 4 A		0.5kV/60 sec	
INSULATION RESISTANCE				IEC 512-2 TEST 3 A		> 100 MOhm	
IP DEGREE OF PROTECTION				IEC 529		IP 67	
PIN DIAMETER						0.6 mm	
TERMINATION						CRIMP	
FLAMMABILITY		INSERTS		UL 94		V-0	
		CABLES				VDE 0472/804	
MECHANICAL OPERATION						100 MATING CYCLES	
TEMPERATURE RANGE				IEC 60668-1		-25°C/+90°C	



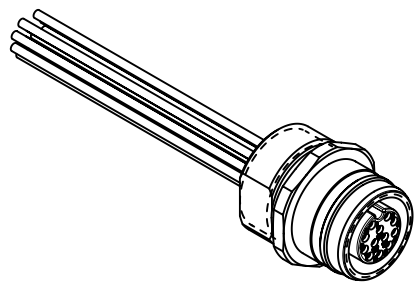
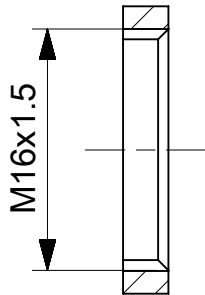
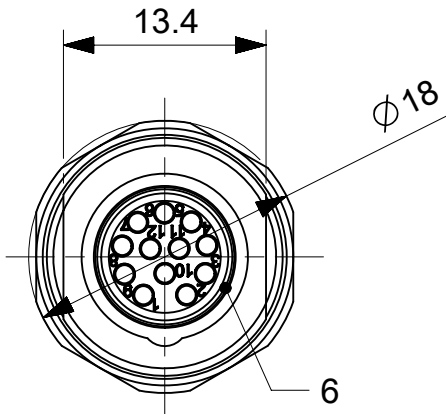
VIEW FROM FRONT SIDE



LOCK NUT M16x1.5
(NEEDS TO BE ORDER SEPARATE)



PANEL CUTOUT



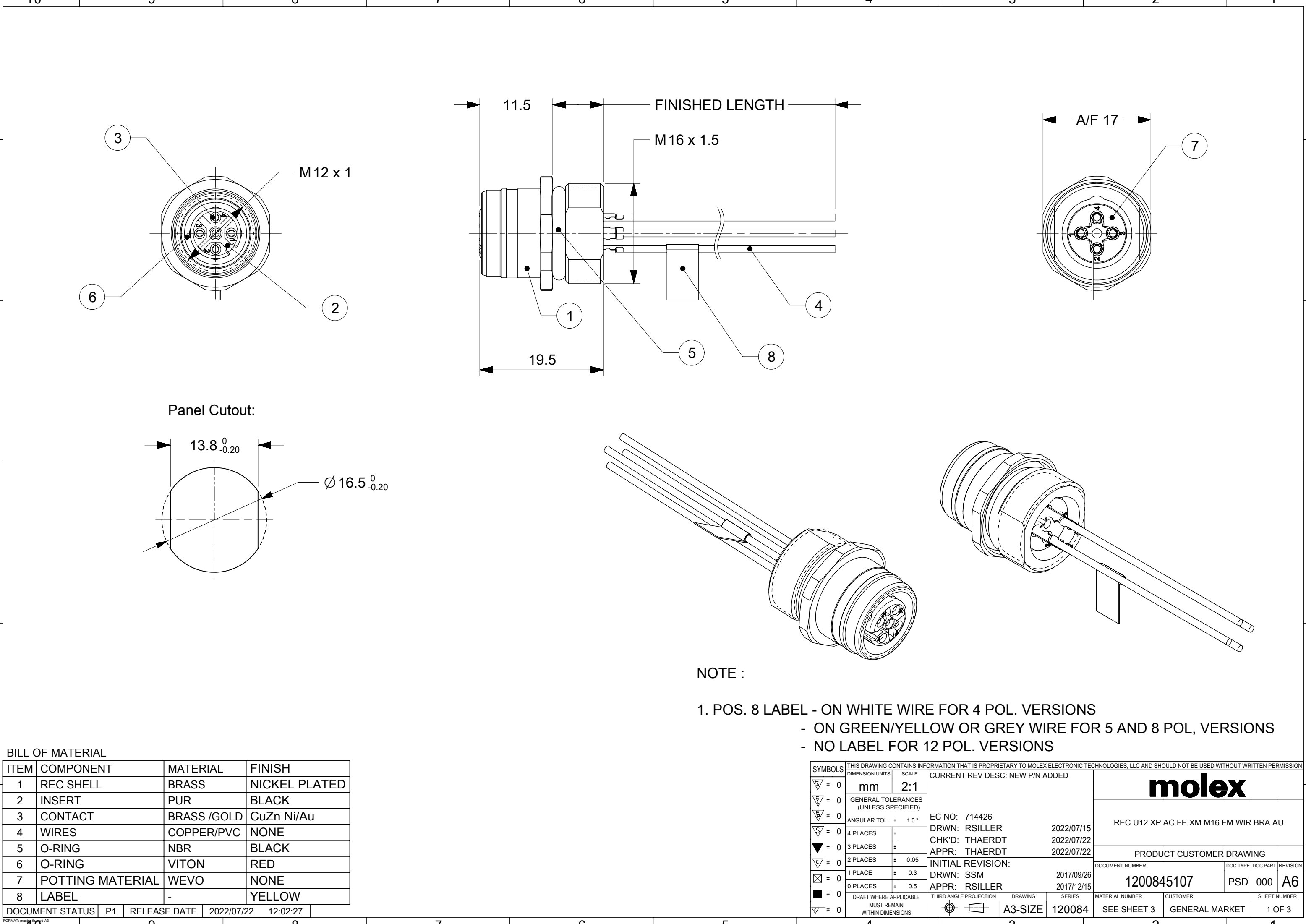
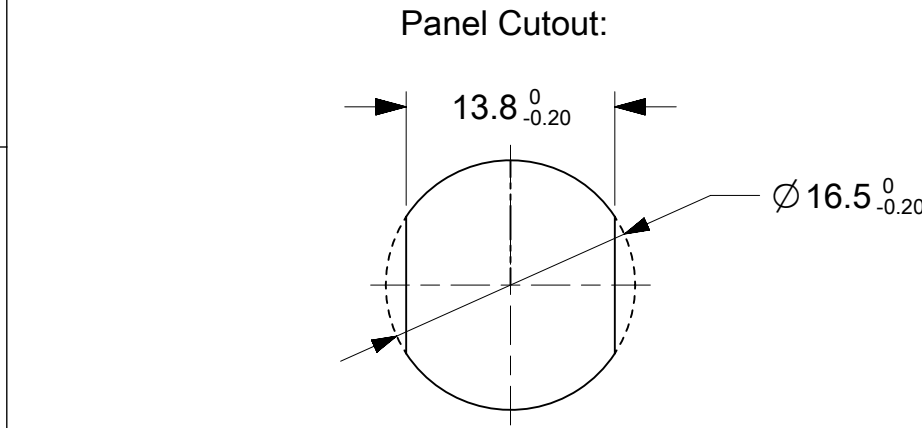
VIEW FROM WIRE SIDE

B		ITEM		QTY.		DESCRIPTION		MATERIAL		FINISH/COLOR	
		1		1		UL.M12(FE)XM16(M)FRONT PANEL		BRASS		Ni-PLATED	
		2		1		O-RING		NBR		BLACK	
		3		1		INSERT M12 FEMALE		PUR		BLACK	
		4		12		M12 FEMALE CONTACT		BRASS		Cu/Ni3bAuCo0.6	
		5		1		GASKET OR		FPM		RED	
		6		1		SHELL FEMALE SHIELD		BRASS		Ni-PLATED	
		7		12		WIRES		-		-	
		8		-		ADH PUR 2K HARD WEVONAT 300M BN V0		-		-	
		9		-		ADH PUR 2K WEVO CASTING RESIN PU552FL/10		-		-	
A		DOCUMENT STATUS		P1		RELEASE DATE		2018/06/22		08:14:43	

TABLE 1

PART-NUMBER	ENGINEERING.NO	LENGTH
1200845012	WRCU20E01C200	200mm
1200845013	WRCU20E01C300	300mm

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:			<div>molex</div>				
	mm											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 178263 DRWN: SSM 2018/05/22 CHK'D: SSM 2018/06/20 APPR: RSILLER 2018/06/22			REC U12 12P AC FE 0.3M M16 FM WIR SE SHD				
		MM	INCH									
	4 PLACES	±	±									
	3 PLACES	±	±									
	2 PLACES	±	±									
	1 PLACE	±	±		INITIAL REVISION: DRWN: BBRAUCH 2012/01/23 APPR: REISSNER 2012/02/15			PRODUCT CUSTOMER DRAWING				
	0 PLACES	±	0.3									
ANGULAR TOL ± 1.0 °				THIRD ANGLE PROJECTION			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							1200845013		PSD	000	A	
				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A3-SIZE		120084		SEE TABLE 1		GENERAL MARKET		1 OF 1



NOTE :

1. POS. 8 LABEL - ON WHITE WIRE FOR 4 POL. VERSIONS
- ON GREEN/YELLOW OR GREY WIRE FOR 5 AND 8 POL. VERSIONS
- NO LABEL FOR 12 POL. VERSIONS

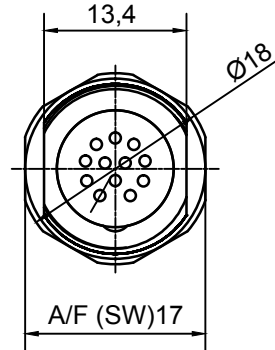
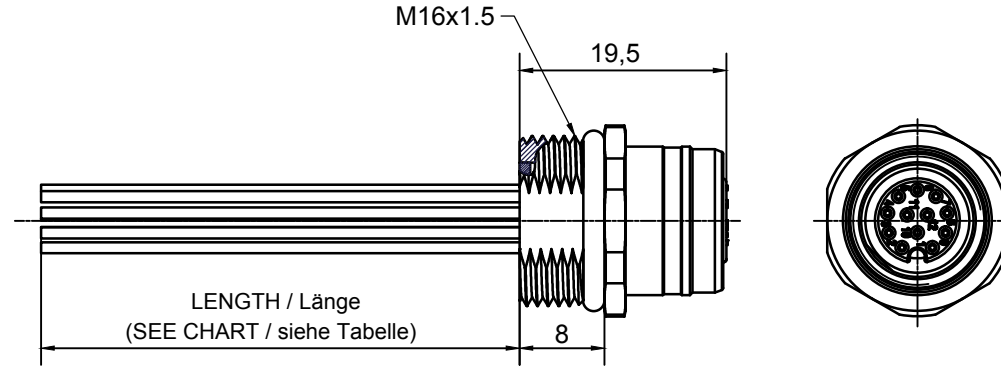
BILL OF MATERIAL			
ITEM	COMPONENT	MATERIAL	FINISH
1	REC SHELL	BRASS	NICKEL PLATED
2	INSERT	PUR	BLACK
3	CONTACT	BRASS /GOLD	CuZn Ni/Au
4	WIRES	COPPER/PVC	NONE
5	O-RING	NBR	BLACK
6	O-RING	VITON	RED
7	POTTING MATERIAL	WEVO	NONE
8	LABEL	-	YELLOW

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/22	12:02:27
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED			
	= 0	mm		2:1		<div>molex</div> <div>REC U12 XP AC FE XM M16 FM WIR BRA AU</div>			
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)							
	= 0								
	= 0	ANGULAR TOL ± 1.0 °		EC NO: 714426		PRODUCT CUSTOMER DRAWING			
	= 0	4 PLACES ±		DRWN: RSILLER 2022/07/15					
	= 0	3 PLACES ±		CHK'D: THAERDT 2022/07/22					
	= 0	2 PLACES ± 0.05		APPR: THAERDT 2022/07/22		DOCUMENT NUMBER 1200845107 DOC TYPE PSD DOC PART 000 REVISION A6			
	= 0	1 PLACE ± 0.3		INITIAL REVISION: DRWN: SSM 2017/09/26					
	= 0	0 PLACES ± 0.5		APPR: RSILLER 2017/12/15					
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING A3-SIZE		SERIES 120084	
	= 0					MATERIAL NUMBER SEE SHEET 3		CUSTOMER GENERAL MARKET	
								SHEET NUMBER 1 OF 3	

WIRING DIAGRAM

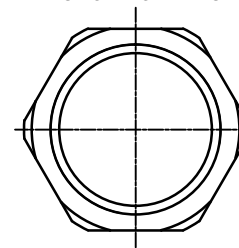
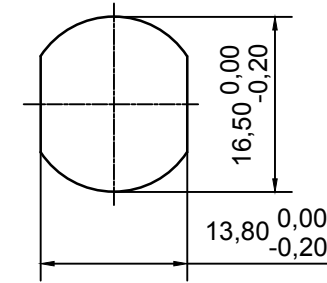
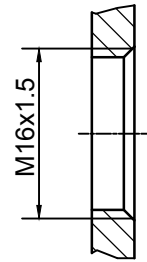
1	WH - WHITE
2	BN - BROWN
3	GN - GREEN
4	YE - YELLOW
5	GY - GREY
6	PK - PINK
7	BU - BLUE
8	RD - RED
9	BK - BLACK
10	VT - VIOLET
11	GYPK - GREY/PINK
12	RDBU - RED/BLUE



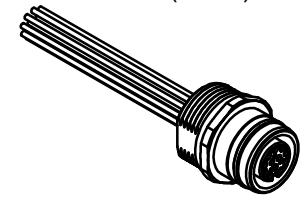
LOCK NUT M16x1.5
P/N: 0900 00090 00010

LOCK NUT NEEDS TO BE ORDER SEPARATE

PANEL CUTOUT



(1 : 1)



PART-NUMBER	ENGINEERING NO.	LENGTH
Teile-Nummer	Artikel-Nummer	Länge
1200845012	WRCU20E01C200	200 mm
1200845013	WRCU20E01C300	300 mm

GENERAL CHARACTERISTICS				STANDARD	
Allgemeine Kennwerte				Norm	
NUMBER OF CONTACTS		Polzahl		IEC 947-5-2	12
CONTACT CONFIGURATION		Kontaktanordnung			
RATED VOLTAGE		Bemessungsspannung		IEC 664	30V AC / DC
POLLUTION DEGREE		Verschmutzungsgrad		IEC 664	3
CURRENT CARRYING CAPACITY		Betriebsstrom		IEC 512-3 Test 5 b	1,5A
CONTACT RESISTANCE		Durchgangswiderstand		IEC 512-2 Test 2 A	< 5mOhm
RATED IMPULSE WITHSTAND VOLTAGE		Bemessungsstoßspannung		IEC 664	0,8 kV
TEST VOLTAGE		Prüfspannung		IEC 60512-2 Test 4 A	0,5 kV / 60 sec
INSULATION RESISTANCE		Isolationswiderstand		IEC 512-2 Test 3 A	> 100 MOhm
IP DEGREE OF PROTECTION		IP - Schutzart		IEC 529	IP 67
PIN DIAMETER		Stift Durchmesser			0,6mm
MATERIALS	CONTACTS	Werkstoffe	Kontakte		COPPER ALLOY / Kupferlegierung
	CONTACTS PLATING		Kontaktoberfläche		Ni/Au
	DIELECTRIC MATERIAL		Kontaktträger		PA 6.6
	GASKETS (O-RING)		Dichtung (O-Ring)		NBR
	HOUSING		Gehäuse		CUZn (BRASS) WITH/ mit NICKEL-PLATED / Ni-Oberfläche
TERMINATION		Anschlußart			CRIMP
FLAMM-ABILITY	INSERTS	Brennbarkeit	Kontaktträger	UL 94	V-0
	CABLE		Leitung / Kabel		VDE 0472 / 804
MECHANICAL OPERATION		Mechanische Lebensdauer			100 MATING CYCLES / Steckzyklen
TEMPERATURE RANGE		Temperaturbereich		IEC 60668-1	-25°C / +90°C

DESCRIPTION EC NO: IPG2012-0277 DRWN: BBRAUCH 2012/01/23 CHKD: REISSNER APPR: REISSNER 2012/02/15	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
		 = 0  = 0	mm	INCH	DRAWN BY BBRAUCH	DATE 2012/01/23	REC U12 12P AC FE STR XM M16 WIR SE SHLD BK ----				
			4 PLACES	±---	±---	CHECKED BY REISSNER					DATE 2012/01/24
			3 PLACES	±---	±---	APPROVED BY REISSNER					DATE 2012/02/15
			2 PLACES	±---	±---	MATERIAL NO. DOCUMENT NO.		MOLEX INCORPORATED SD-120084-142			
			1 PLACE	±0.3	±---						SHEET NO. 1 OF 1
		ANGULAR ± 1 °		see table							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					