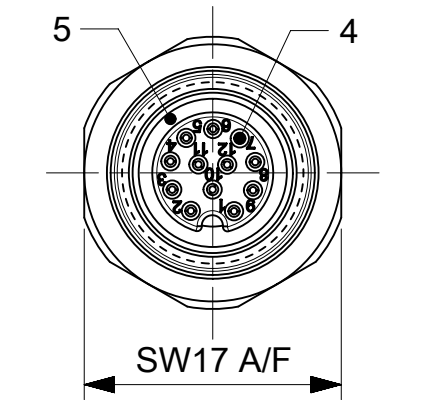
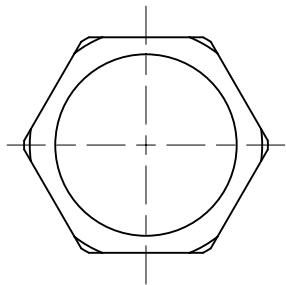
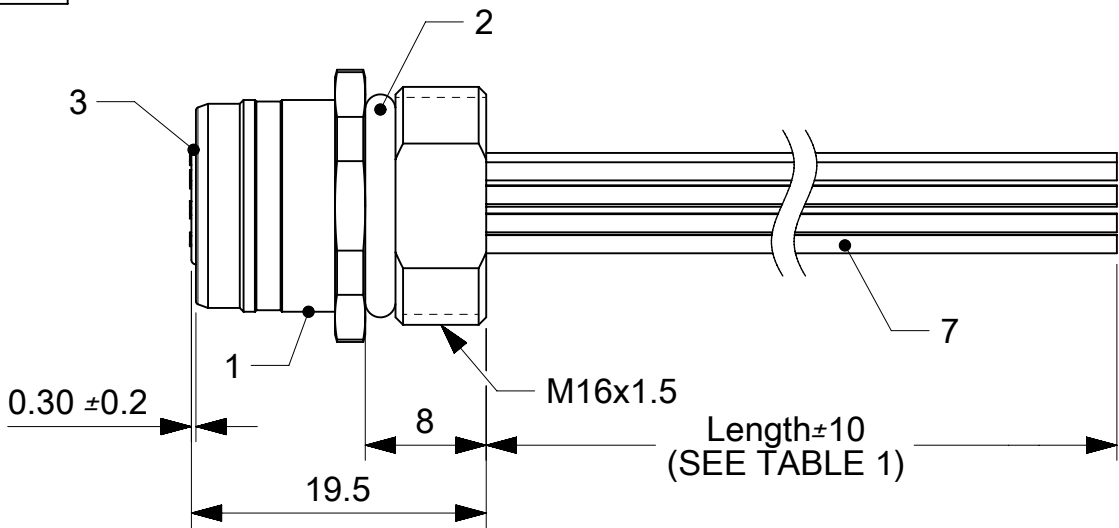


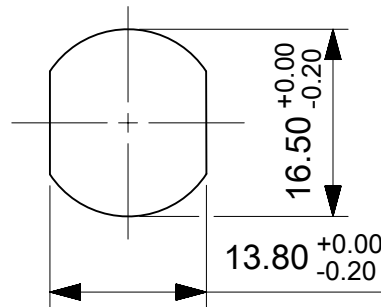
10		9		8		7	
GENERAL CHARACTERISTICS				STANDARD			
No. OF CONTACTS				IEC 947-5-2		12	
RATED VOLTAGE				IEC 664		30V AC/DC	
POLLUTION DEGREE				IEC 664		3	
CURRENT CARRYING CAPACITY				IEC 512-3 TEST 5b		1.5A	
CONTACT RESISTANCE				IEC 512-2 TEST 2 A		< 5 mOhm	
RATED IMPULSE WITHSTAND VOLTAGE				IEC 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	



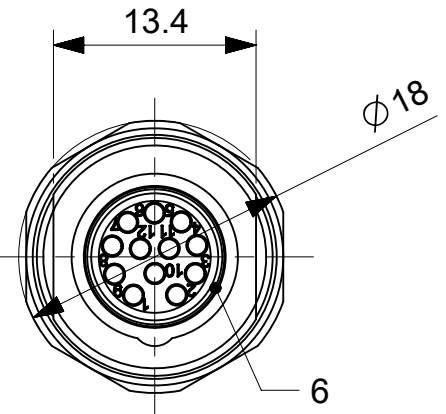
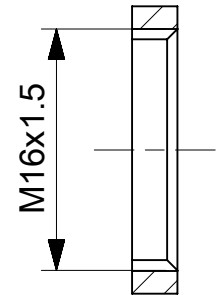
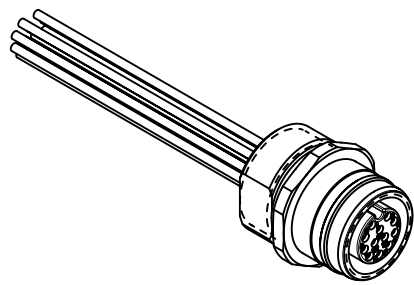
VIEW FROM FRONT SIDE



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



PANEL CUTOUT

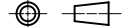


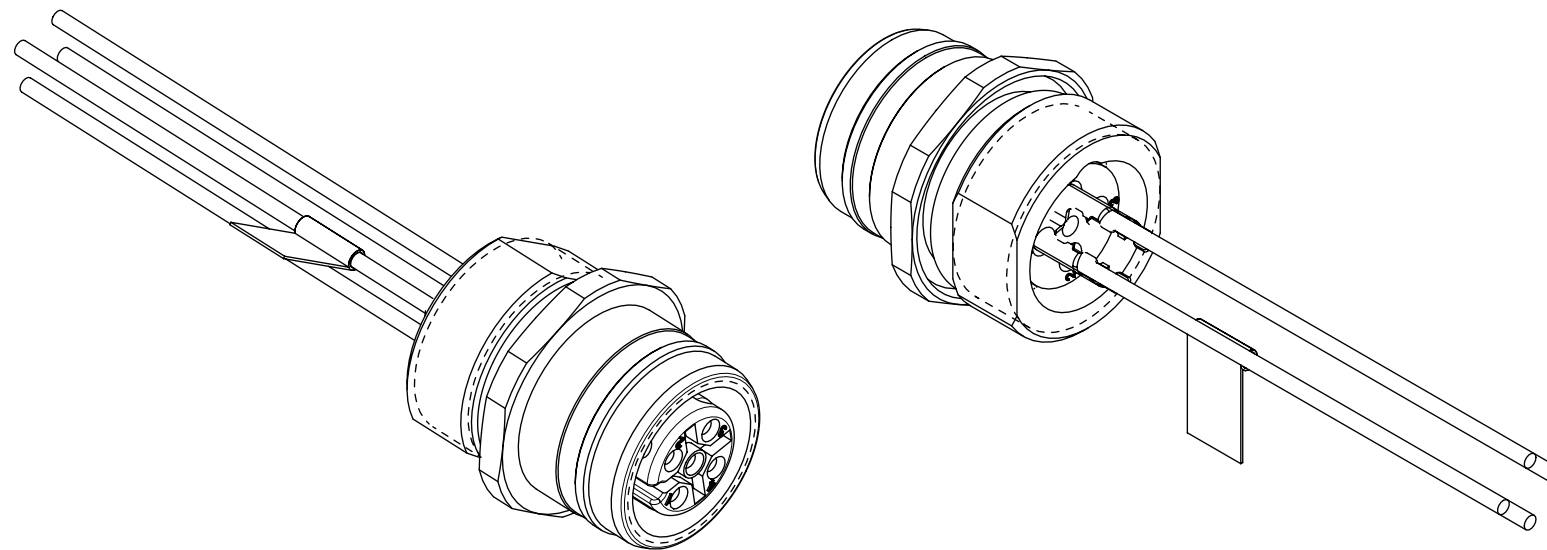
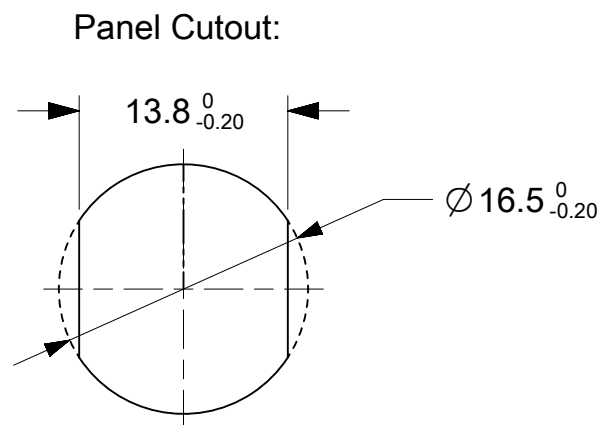
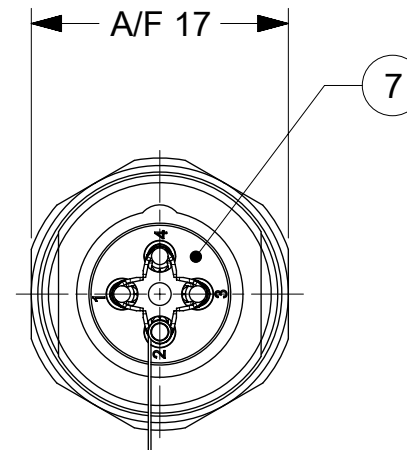
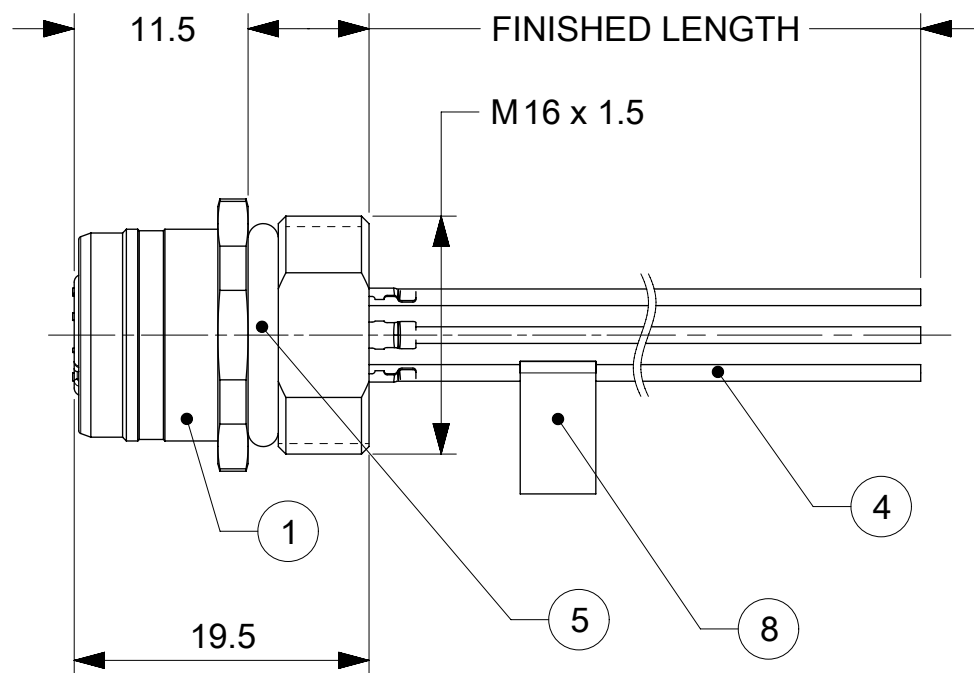
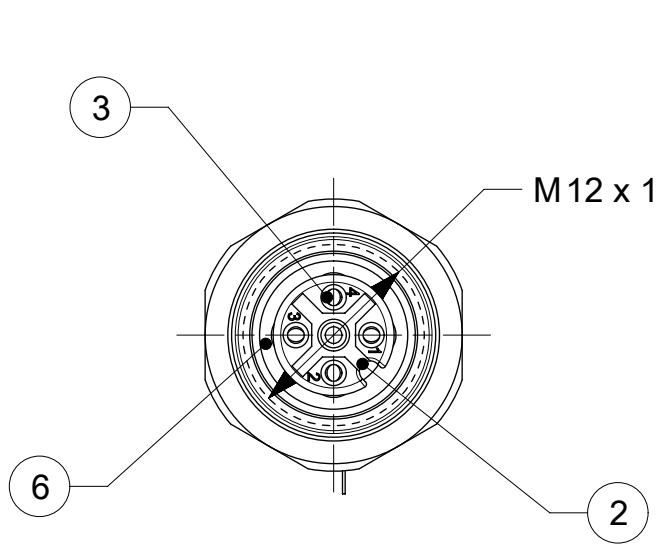
VIEW FROM WIRE SIDE

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

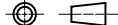
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex								
	mm		GENERAL TOLERANCES (UNLESS SPECIFIED)													
			MM		INCH		EC NO: 178263 DRWN: SSM 2018/05/22 CHK'D: SSM 2018/06/20 APPR: RSILLER 2018/06/22									
	4 PLACES ± ±															
	3 PLACES ± ±															
2 PLACES ± ±		INITIAL REVISION: DRWN: BBRAUCH 2012/01/23 APPR: REISSNER 2012/02/15			PRODUCT CUSTOMER DRAWING											
1 PLACE ± ±																
0 PLACES ± 0.3 ±																
ANGULAR TOL ± 1.0 °		THIRD ANGLE PROJECTION 			DRAWING A3-SIZE		SERIES 120084		DOCUMENT NUMBER 1200845013		DOC TYPE PSD		DOC PART 000		REVISION A	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																



NOTE :

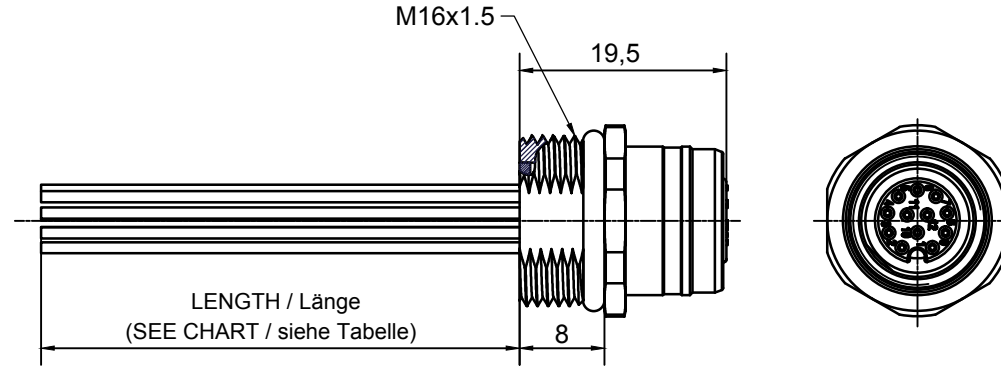
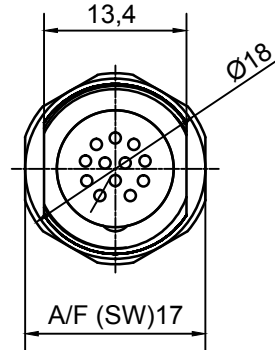
1. POS. 8 LABEL - ON WHITE WIRE FOR 4 POL. VERSIONS
- ON GREEN/YELLOW OR GREY WIRE FOR 5 AND 8 POL. VERSIONS
- NO LABEL FOR 12 POL. VERSIONS

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

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

WIRING DIAGRAM

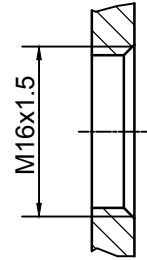
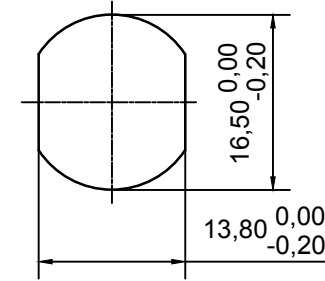
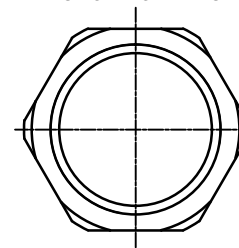
1	WH - WHITE
2	BN - BROWN
3	GN - GREEN
4	YE - YELLOW
5	GY - GREY
6	PK - PINK
7	BU - BLUE
8	RD - RED
9	BK - BLACK
10	VT - VIOLET
11	GYPK - GREY/PINK
12	RDBU - RED/BLUE



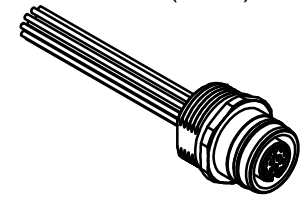
LOCK NUT M16x1.5
P/N: 0900 00090 00010

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 UMPULSE 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		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION
											MM ONLY		2:1	METRIC				
											DRAWN BY DATE		REC U12 12P AC FE STR XM					
											BBRAUCH 2012/01/23		M16 WIR SE SHLD BK					
											CHECKED BY DATE		----					
											REISSNER 2012/01/24							
											APPROVED BY DATE		MOLEX MOLEX INCORPORATED					
											REISSNER 2012/02/15							
											MATERIAL NO.		DOCUMENT NO.					
											see table		SD-120084-142					
										SHEET NO.								
										1 OF 1								