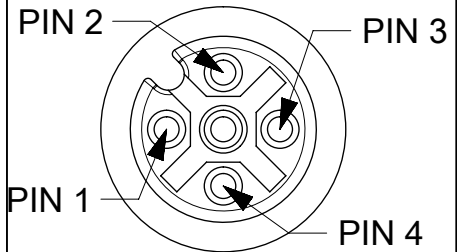


M12 4 POLE
FEMALE
VIEW FROM
THE FRONT SIDE



Pin	Wire Kolor
1	BROWN
2	WHITE
3	BLUE
4	BLACK

PART No MATRIX

8	W	4	0	3	1	P	0	3	M	*	*	*	*	*
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

88 = M12xM12U
DOUBLE ENDED

POLES:
4=4 POLES

HEADER:
031 = FEMALE RIGHT ANGLED - MALE STRAIGHT

CABLE TYPE

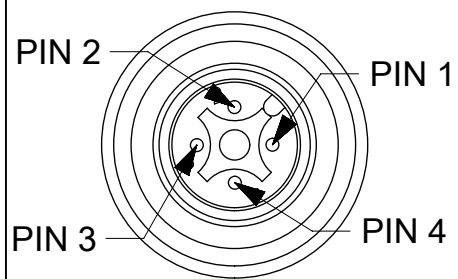
UNIT:
M = METER
F = FEET
A = INCHES
C = CENTIMETERS

LENGTH:
EXAMPLE:
010 = 1 UNIT
050 = 5 UNIT
100 = 10 UNIT

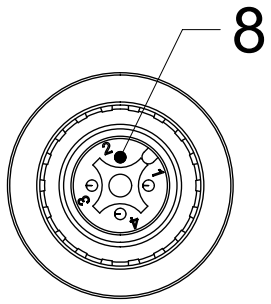
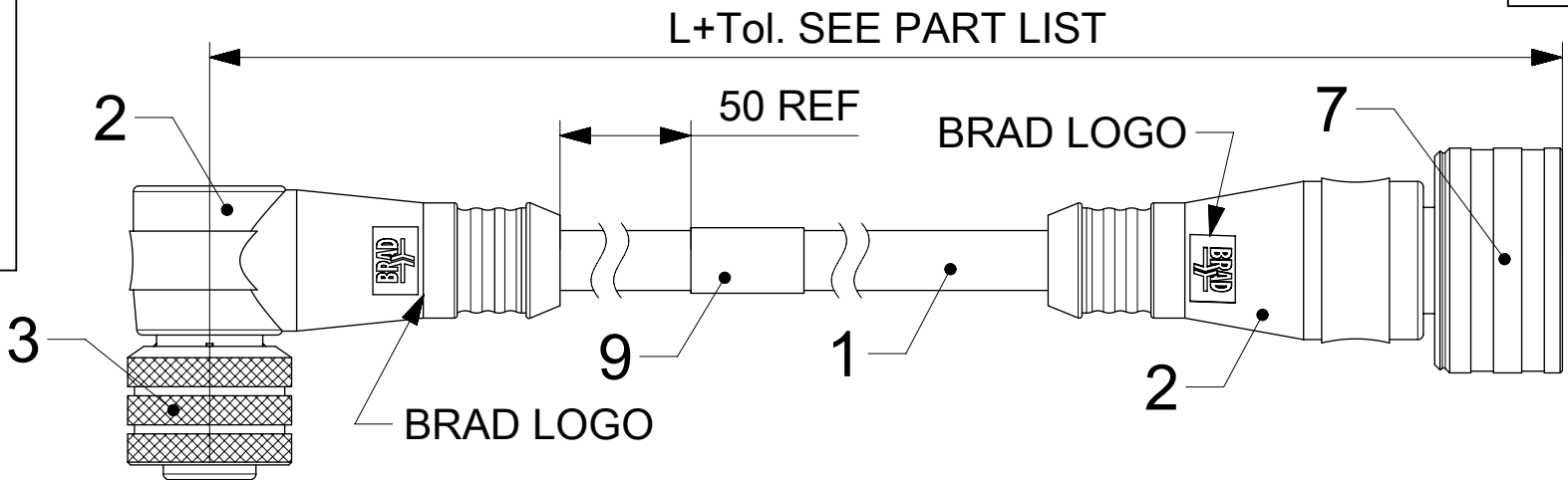
OPTIONS

H = 2 PCS. OF I/D CARIERR
COUPLIN NUT:
BLANK = KNU
1, 8 = STAINLESS STEEL
5 = DERLIN
7 = TEFLON KNU
9 = KNU/HEX
OVERMOULD:
BLANK = BLACK
A = GREY
G = BLACK
Y = YELLOW

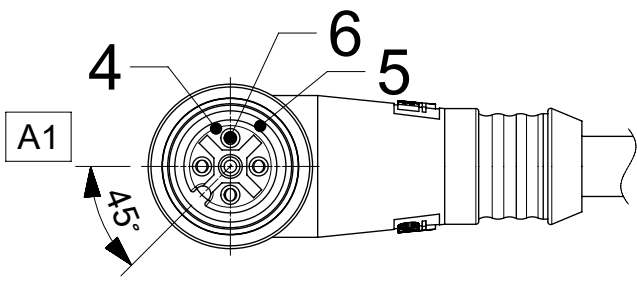
M12U 4 POLE
MALE
VIEW FROM
THE FRONT SIDE



Pin	Wire Kolor
1	BROWN
2	WHITE
3	BLUE
4	BLACK



VIEW FROM THE FRONT SIDE



VIEW FROM THE FRONT SIDE

9	1	LABEL STANDARD YE	VINYL	-
8	4	CONTACT MA	BRASS	GOLD OVER Ni-PLATED
7	1	ULTRA-LOCK MA 4P	-	-
6	4	CONTACT FE	BRONZE	GOLD OVER Ni-PLATED
5	1	GASKET RD	FPM	-
4	1	INSERT M12 FE 4P BK	PUR	-
3	1	COUPLING NUT FE M12	BRASS	Ni-PLATED
2	-	MOULDING MATERIAL BK	TPU	-
1	-	CABLE 4x0.34 BK	PUR	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
1200808006	8W4031P03M050	5000
1200808010	8W4031P03M020	2000
1200808013	8W4031P03M030	3000
1200808014	8W4031P03M040	4000
1200808022	8W4031P03M006	600
1200808152	8W4031P03M010	1000

TABLE OF LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCE (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF LENGTH

CHANGES SEE
REVISION MARKING A1

CHANGED POSITION K-WAY

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

2016/09/20	2016/09/29	GENERAL TOLERANCES (UNLESS SPECIFIED)	
EC NO: 108911 DRWN: MMATLA CHK'D: APPR: MIWASIECZKO	REV	ANGULAR TOL ± °	
		4 PLACES ±	
		3 PLACES ±	
		2 PLACES ±	
		1 PLACE ±	
		0 PLACES ±	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION UNITS		SCALE	
MM		1:1	
DRWN BY		DATE	
AKONDRACIUK		2016/09/13	
CHK'D BY		DATE	
APPR BY		DATE	
MIWASIECZKO		2016/09/14	
DRAWING SIZE		THIRD ANGLE PROJECTION	
A3			

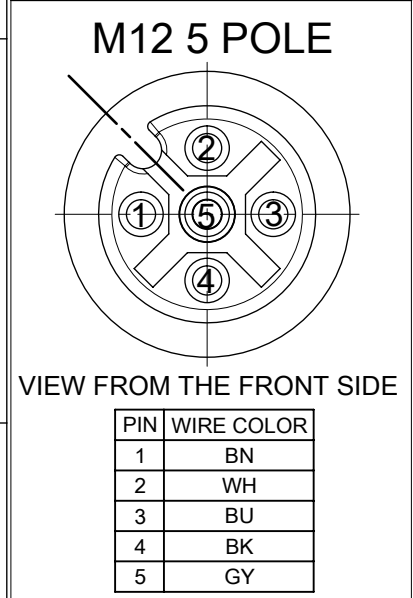
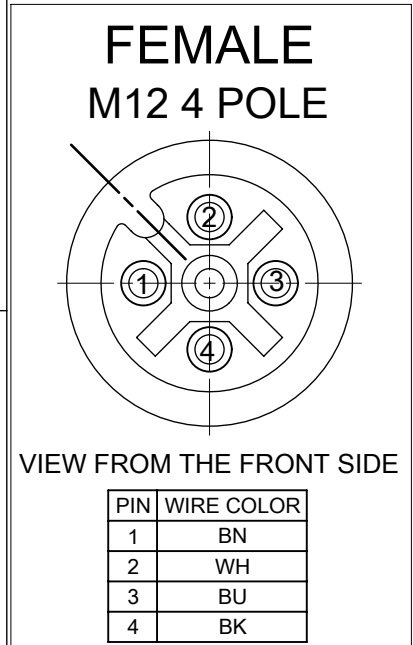
molex®

UL.M12-4P-FE/M-90/ST-XM-PUR

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER	
120080	SEE PART LIST		
DOCUMENT NUMBER		DOC TYPE	DOC PART
1200808006		PSD	00P
SHEET NUMBER			
1 OF 1			

RELEASE STATUS	P1	RELEASE DATE	29.09.2016	20:08:04
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CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS
E03	5	0.34mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.
P03	4	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.

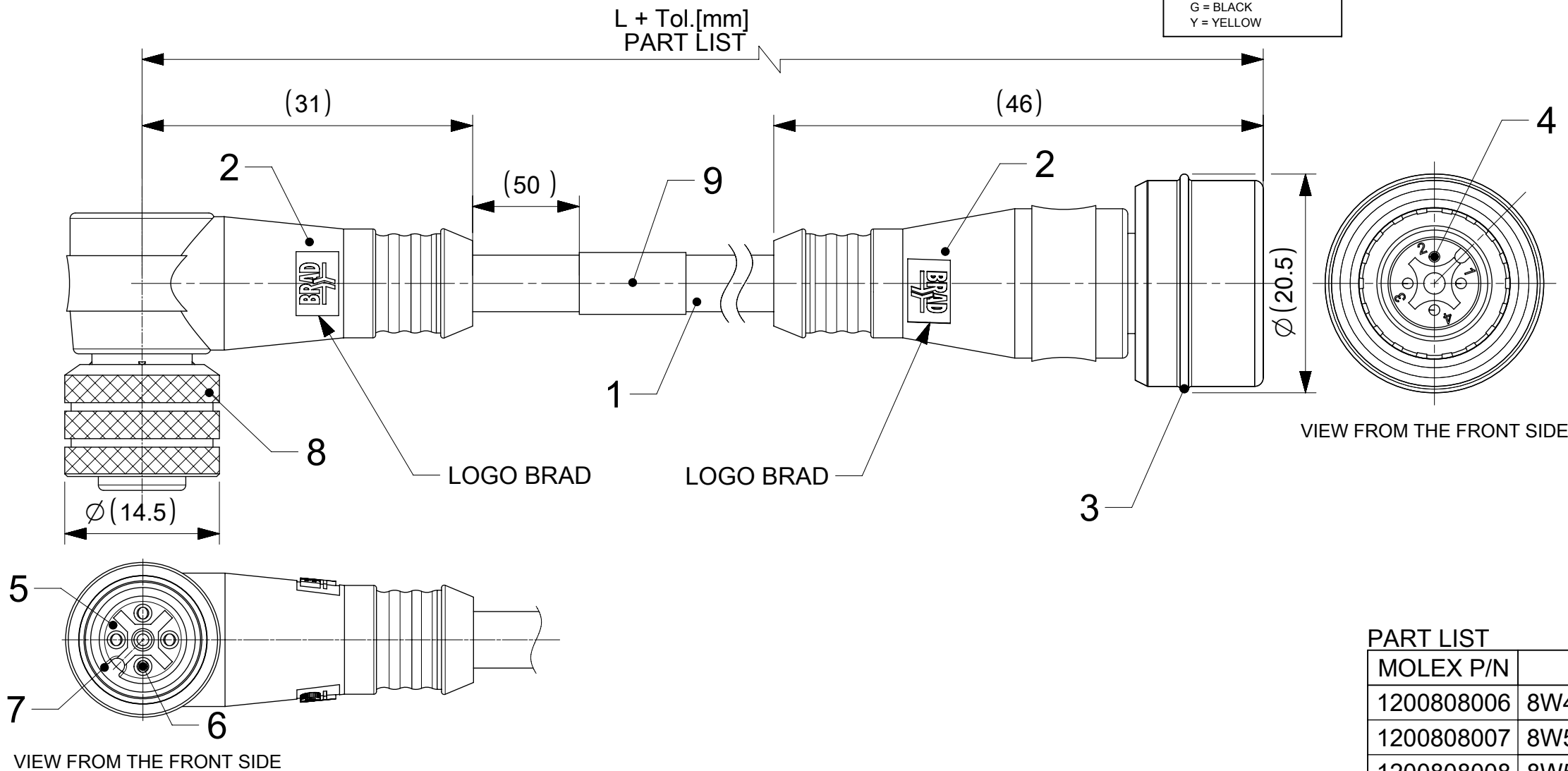
BOM

9	1	LABEL	VINYL	YELLOW
8	1	COUPLING NUT	BRASS	Ni-PLATED
7	1	GASKET	FPM	RED
6	4/5	FEMALE CONTACT	BRASS	Au OVER Ni-PLATED
5	1	INSERT FEMALE 4/5 POLE	TPU	BLACK
4	4/5	MALE CONTACT	BRASS	Au OVER Ni-PLATED
3	1	ULTRALOCK MALE 4/5 POLE ASSEMBLY	-	-
2	-	OVERMOULD	TPU	BLACK
1	-	CABLE	PVC/PUR	BLACK
ITEM	QTY	DESCRIPTION	MATERIAL	COLOR/FINISH

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/22	06:35:48
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PART No MATRIX

8	W	X	0	3	1	X	X	X	M	*	*	*	*	*
88 = M12xM12U DOUBLE ENDED		POLES: 4=4 POLES 5=5 POLES		HEADER: 031 = FEMALE RIGHT ANGLED - MALE STRAIGHT			CABLE TYPE : E03 - 5 WIRE P03 - 4 WIRE		UNIT: M = METER F = FEET C = CENTIMETERS		LENGTH: EXAMPLE : 010 = 1 UNIT 050 = 5 UNIT 100 = 10 UNIT		H = 2 PCS. OF I/D CARIERR COUPLIN NUT : BLANK = KNU 1, 8 = STAINLESS STEEL 5 = DERLIN 7 = TEFLON KNU 9 = KNU/HEX OVERMOULD: BLANK = BLACK A = GREY G = BLACK Y = YELLOW	



PART LIST

MOLEX P/N	ENG No.	L+Tol.[mm]
1200808006	8W4031P03M050	5000+165
1200808007	8W5031E03M020	2000+56
1200808008	8W5031E03M050	5000+165
1200808010	8W4031P03M020	2000+56
1200808013	8W4031P03M030	3000+89
1200808014	8W4031P03M040	4000+165
1200808022	8W4031P03M006	600+45
1200808152	8W4031P03M010	1000+56

NOTES:

CURRENT RATING: 4-5 CONTACTS 4A
VOLTAGE RATING: 4 CONTACTS 250V
5 CONTACTS 60V
PROTECTION CLASS: IP 67/68/69K
TEMPERATURE: -25°C / +85°C

FUNCTIONAL SYMBOLS F _A = 0 F _E = 0 F _P = 0 DIVISIONAL 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:					molex						
	mm		2:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)					UL.M12-5P-FE/M-90/ST-XM-PVC										
	ANGULAR TOL ± 1.0°															
	4 PLACES		±		EC NO: 703538					PRODUCT CUSTOMER DRAWING						
	3 PLACES		±		DRWN: SSM 2022/03/22											
	2 PLACES		± 0.05		CHK'D: RSILLER 2022/04/22											
	1 PLACE		± 0.3		APPR: RSILLER 2022/04/22					DOCUMENT NUMBER 1200808007						
	0 PLACES		± 0.5		INITIAL REVISION:										DOC TYPE	
DRWN: SSM 2022/03/22					APPR: RSILLER 2022/04/22					PSD		000		A		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		120080		SEE PART LIST		GENERAL MARKET		1 OF 1	