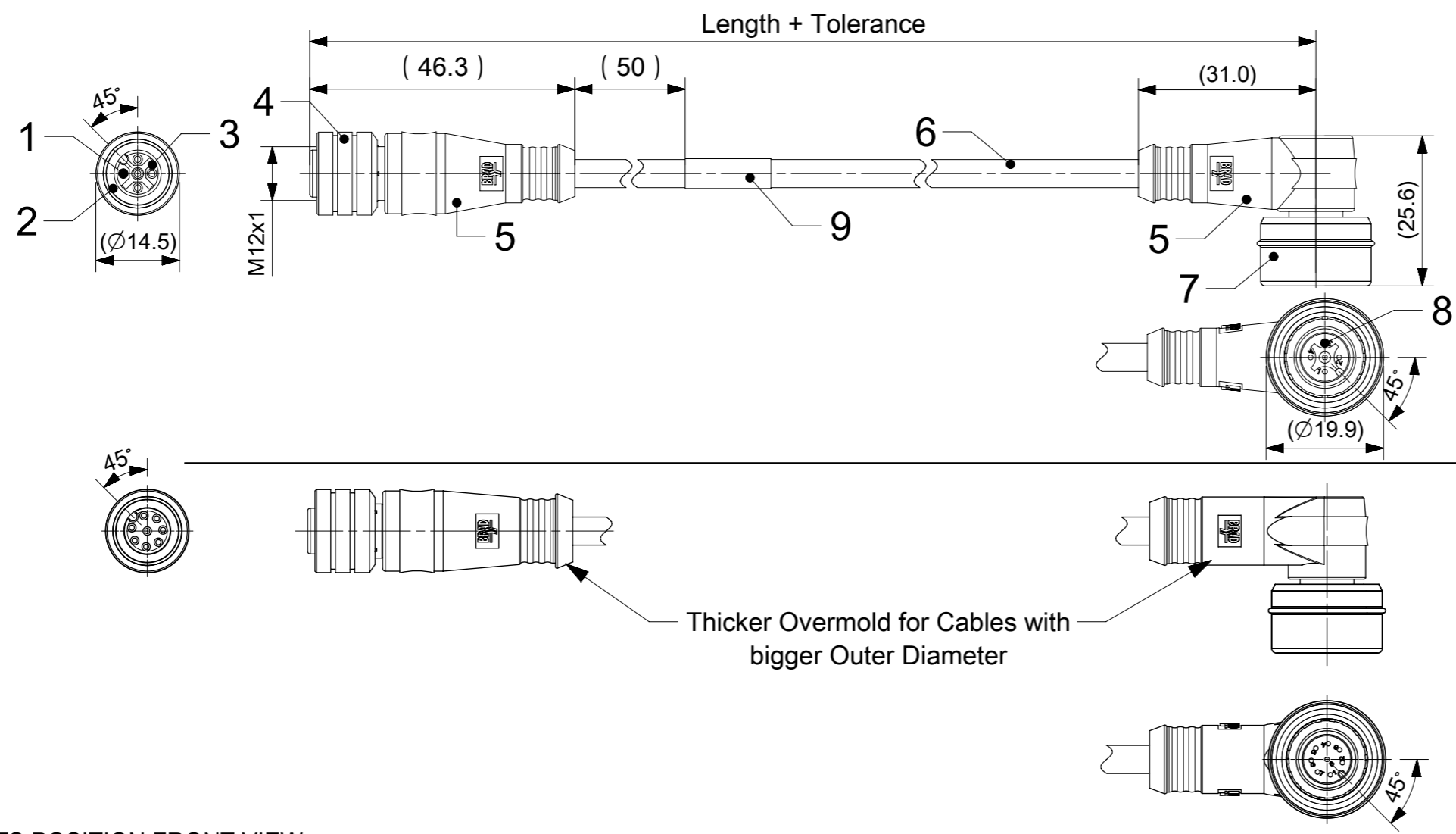


FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT

NOTES:
 RATED VOLTAGE: 3, 4 contacts 250V
 5 contacts 60V
 8 contacts 30V
 RATED CURRENT: 3, 4, 5 contacts 4A
 8 contacts 2A
 PROTECTION CLASS: IP 67/68/69K
 TEMPERATURE: -25°C / +85°C



CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY	5	GREY
							6	PINK
							7	BLUE
						8	RED	

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
9	1	WRAP LABEL YELLOW	VINYL	---
8	3 / 4 / 5 / 8	CONTACT MALE	BRASS	SELECTIVE Au OVER Ni
7	1	ULTRA M12 XP MALE	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	BRASS	NICKEL
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	BRASS	SELECTIVE Au OVER Ni

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FE = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS	SCALE	molex	
	mm	1:1	CSE U12 M12 XP AC FE STR MA RA XM	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		PRODUCT CUSTOMER DRAWING	
ANGULAR TOL ± °		EC NO: 698441	2021/10/01	DOCUMENT NUMBER
4 PLACES ±		DRWN: SSM	2022/03/08	
DIVISIONAL SYMBOLS		CHK'D: RSILLER	2022/03/08	DOC PART
3 PLACES ±		APPR: RSILLER	2022/03/08	REVISION
2 PLACES ±		INITIAL REVISION:	1200808045	
1 PLACE ±		DRWN: AKONDRACIUK	2017/06/03	PSD
0 PLACES ±		APPR: MIWASIECZKO	2017/06/07	000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SHEET NUMBER
			A3-SIZE	1 OF 2
		SERIES	MATERIAL NUMBER	CUSTOMER
		120080	SEE PART LIST	GENERAL MARKET

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

8 W X 0 3 2 X X X X X X X X

8W=M12 Standard
M12 Ultra-Lock
Double ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
032=Plug Female Straight
to Plug Male 90°

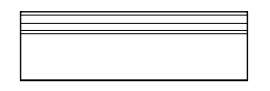
Cable type: See Table

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

H= 2 pcs. of I/D Carrier PVC Transparent



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
P02	3 / 4 / 5 / 8	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

PART LIST

No	Part No	Engineering No	Cable Length
1	1200808045	8W5032P03M010G	1m
2	1200808135	8W8032P02M015	1.5m
3	1200808159	8W8032P02M025	2.5m
4	1200808018	8W4032P03M020	2m
5	1200808019	8W4032P03M006	0.6m
6	1200808020	8W4032P03M010	1m
7	1200808021	8W4032P03M050	5m

FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_F = 0$ $\nabla_V = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE 1:1	CURRENT REV DESC:					
	mm	EC NO: 698441 DRWN: SSM 2021/10/01 CHK'D: RSILLER 2022/03/08 APPR: RSILLER 2022/03/08						
	GENERAL TOLERANCES (UNLESS SPECIFIED)							
	ANGULAR TOL ± °							
DIVISIONAL SYMBOLS	4 PLACES ±	INITIAL REVISION:		DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
3 PLACES ±	DRWN: AKONDRACIUK 2017/06/03		1200808045		PSD	000	A1	
2 PLACES ±	APPR: MIWASIECZKO 2017/06/07		SEE PART LIST		GENERAL MARKET			
1 PLACE ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
0 PLACES ±				A3-SIZE	120080	SEE PART LIST	GENERAL MARKET	2 OF 2