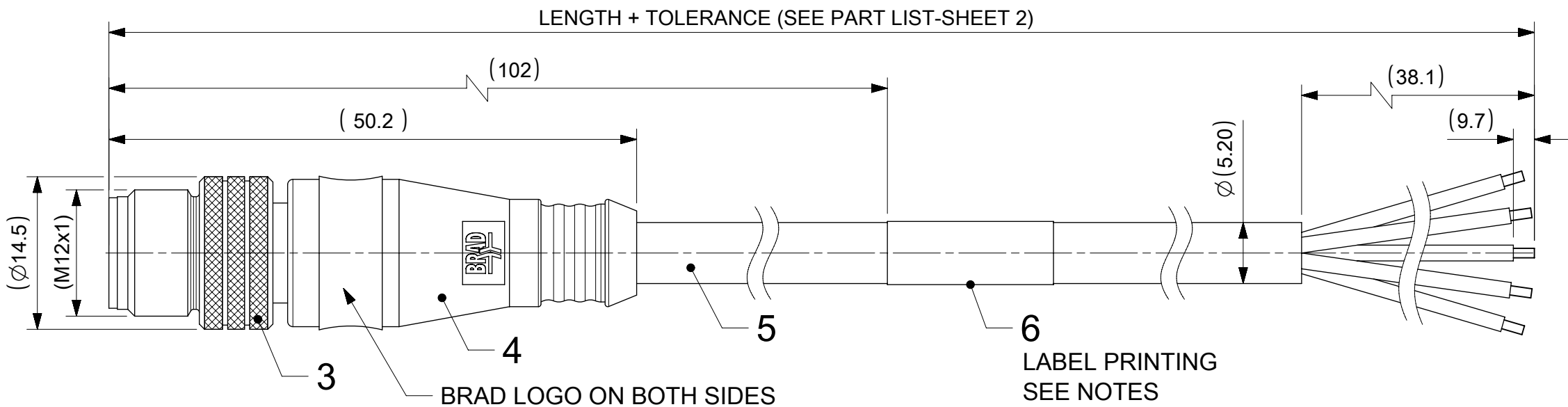
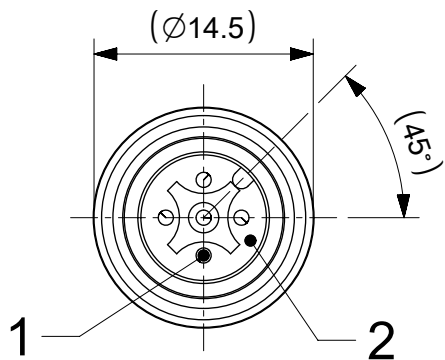


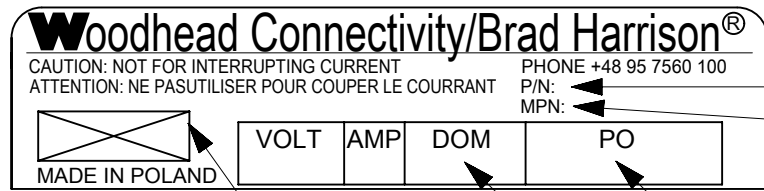
MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
RATED CURRENT: 3, 4, 5 contacts 4A
PROTECTION CLASS: IP 67 (WHEN MATED)
TEMPERATURE: -20° C TO +105° C
UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE
LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION

LABEL PRINTING



ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

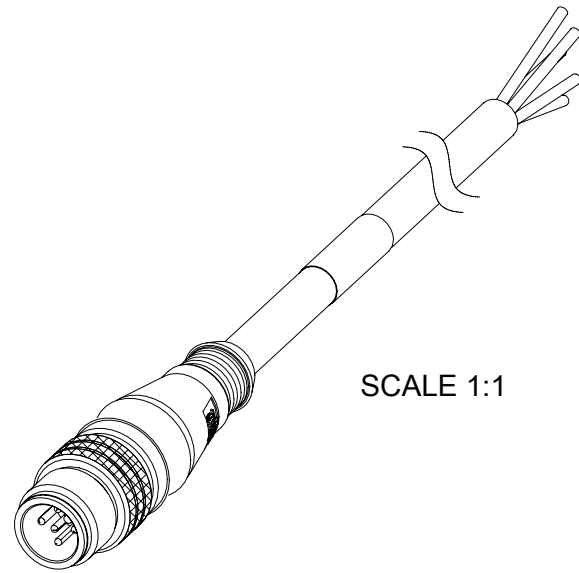
CERTIFICATION SYMBOLS

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
5	---	5	---	5	GRAY OR YELLOW/GREEN
CODING REQUIRED TO IEC 61076-2-101					
DOCUMENT STATUS	P1	RELEASE DATE	2023/07/14	14:26:05	

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

6	1	WRAP LABEL	VINYL	YELLOW
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLD	TPC	YELLOW
3	1	COUPLING NUT MALE	BRASS	SEE MATRIX
2	1	INSERT MALE	PUR	BLACK
1	3 / 4 / 5	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH /COLOR



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		CURRENT REV DESC: FIRST RELEASE			molex				
	mm		2:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 756614 DRWN: RSCHIEBER 2023/05/09 CHK'D: RSILLER 2023/07/14 APPR: RSILLER 2023/07/14					CSE M12 XP AC MA STR TPE XM SE UNSH				
ANGULAR TOL ± °												
4 PLACES ±		PRODUCT CUSTOMER DRAWING										
3 PLACES ±					DOCUMENT NUMBER 1200651113			DOC TYPE PSD	DOC PART 000	REVISION A		
2 PLACES ±												
1 PLACE ±					INITIAL REVISION: DRWN: RSCHIEBER 2023/05/09 APPR: RSILLER 2023/07/14							
0 PLACES ±												
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
					A3-SIZE	120065	SEE PART LIST		GENERAL MARKET		1 OF 2	

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X006K05XXXXX

80=M12x1
Single ended

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

Heads style:
006=Plug Male Straight

Cable type

Units:
M=Meter
C=Centimeter

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

OPTIONS

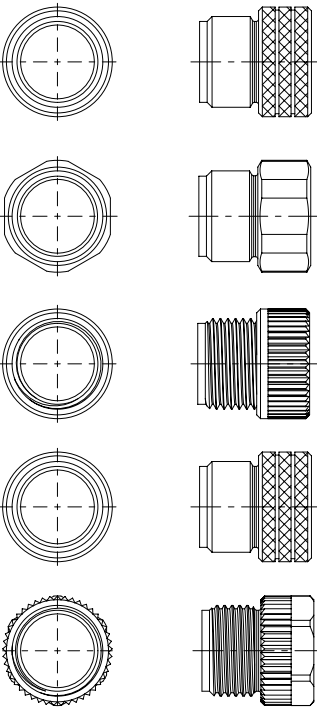


H= 2 pcs. of I/D Carrier
PVC Transparent
(Cables lxx & P82 always
with 2 pcs. of I/D Carrier
even if no H in
Engineering No.)

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow TPU for cables A09,S19,S20,S26
Blank=Yellow TPE-E for cables K03,K05
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

COUPLING NUTS



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

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLTC	I/II A/B 90°C/300V

PART LIST

Part No.	Engineering No.	Cable Length	Part No.	Engineering No.	Cable Length
1200651113	803006K05M006	0.6 m	1200652464	805006K05M040	4 m
1200652219	803006K05M010	1 m	1200652465	805006K05M050	5 m
1200652035	803006K05M015	1.5 m	1200652466	805006K05M060	6 m
1200651114	803006K05M020	2 m	1200652467	805006K05M100	10 m
1200651115	803006K05M025	2.5 m	1200652468	805006K05M150	15 m
1200651116	803006K05M040	4 m	1200652469	805006K05M200	20 m
1200651117	803006K05M050	5 m	1200652470	805006K05M300	30 m
1200651118	803006K05M060	6 m			
1200652437	803006K05M080	8 m			
1200651119	803006K05M100	10 m			
1200651128	804006K05M006	0.6 m			
1200652082	804006K05M010	1 m			
1200651129	804006K05M020	2 m			
1200651363	804006K05M030	3 m			
1200651130	804006K05M040	4 m			
1200651131	804006K05M050	5 m			
1200651132	804006K05M060	6 m			
1200652436	804006K05M080	8 m			
1200651133	804006K05M100	10 m			
1200652049	804006K05M150	15 m			
1200652506	804006K05M250	25 m			
1200652461	805006K05M010	1 m			
1200652462	805006K05M020	2 m			
1200652463	805006K05M030	3 m			

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

FUNCTIONAL SYMBOLS

A= 0

E= 0

F= 0

DIVISIONAL SYMBOLS

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: FIRST RELEASE

EC NO: 756614

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: RSCHIEBER

APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER



CSE M12 XP AC MA STR TPE XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

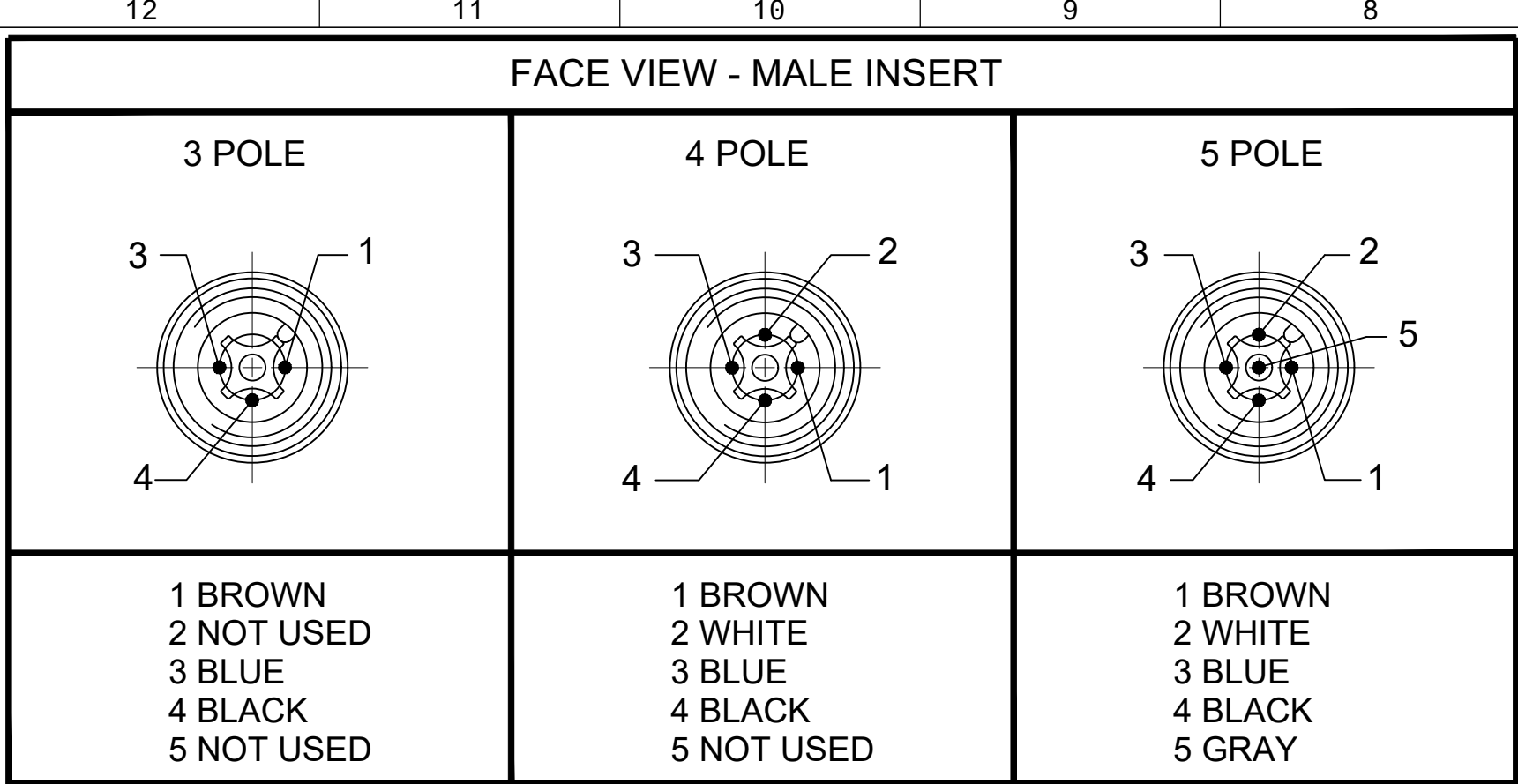
A3-SIZE

120065

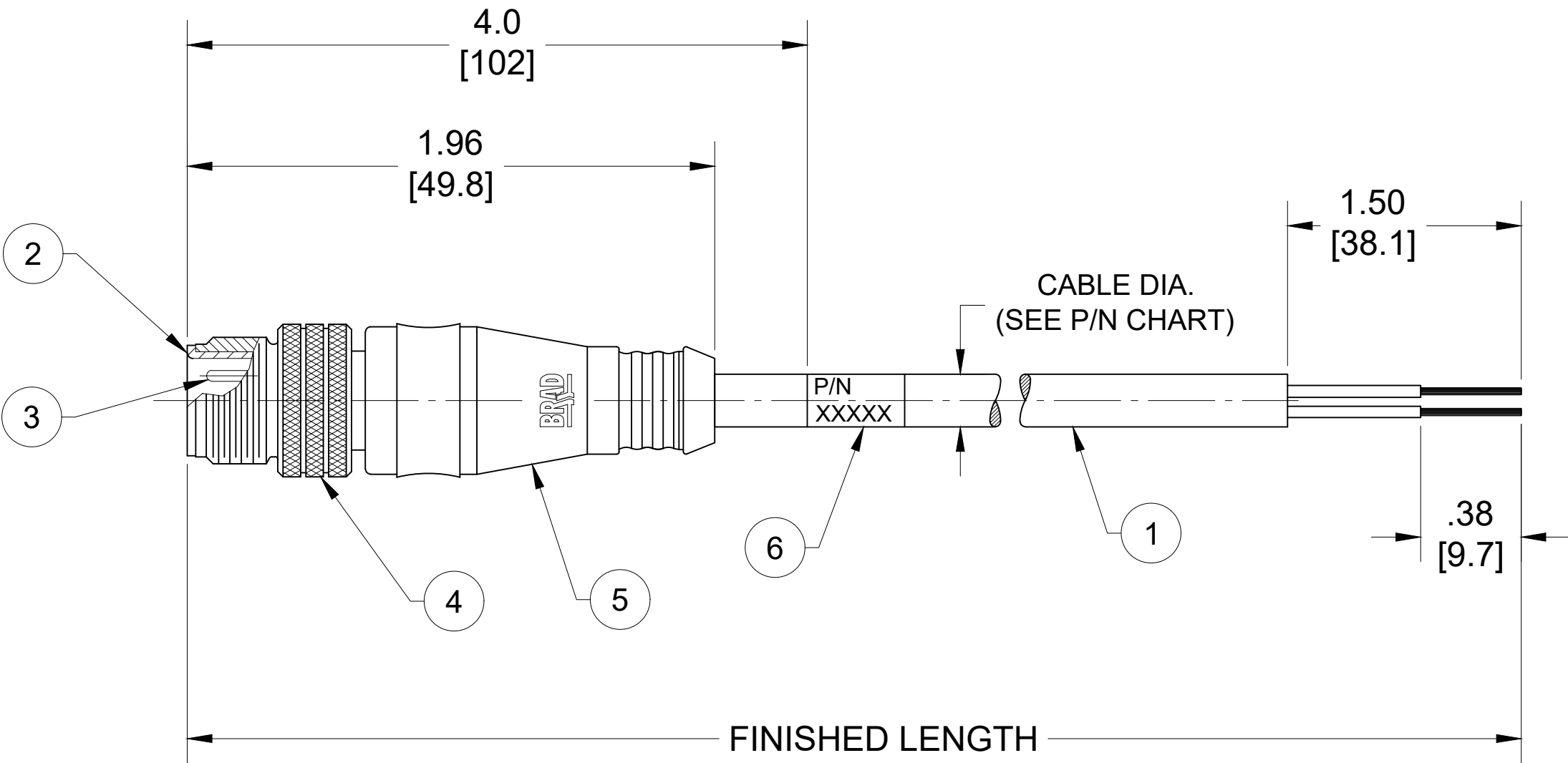
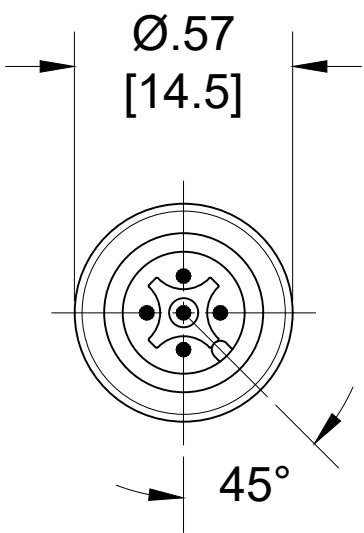
SEE PART LIST

GENERAL MARKET

2 OF 2



- NOTES:
- 1. MATERIAL: AS NOTED
 - 2. FINISH: AS NOTED
 - 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 - 4. TEMP RATING: -20°TO +105°C
 - 5. PROTECTION: IP67 (WHEN MATED)
 - 6. COUPLING THREAD: M12X1
 - 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
 - 8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



PART NO. MATRIX
803006K05M006

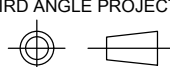
POLES
(3, 4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

6	WRAP LABEL	VINYL	BLACK/YELLOW
5	OVERMOLD	TPC	YELLOW
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
2	MALE INSERT	PUR	BLACK
1	#22 AWG CABLE	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/28 23:37:21
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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		CURRENT REV DESC: ITEM #6 WAS TPE. MODIFIED TEMP RATING & PN CHART			molex MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE, STRAIGHT, SINGLE KEY, #22 AWG TPE HI-FLEX PRODUCT CUSTOMER DRAWING							
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 671333 DRWN: ABENJAMINLW 2021/04/30 CHK'D: RSTONE 2021/07/23 APPR: BWOODMAN 2021/07/28										
		mm	INCH												
4 PLACES	±----	±----													
3 PLACES	±----	±----													
DIVISIONAL SYMBOLS	2 PLACES		±----	±----		INITIAL REVISION:			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
	1 PLACE		±----	±----					SD-120065-114		PSD	001	B		
	0 PLACES		±----	±----		2018/11/01		2018/11/30							
	ANGULAR TOL ± ---- °				DRWN: RSTONE 2018/11/01		APPR: BWOODMAN 2018/11/30								
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						C-SIZE		120065		SEE CHART		GENERAL MARKET		1 OF 1	

12	11	10	9	8	7	6	5	4	3	2	1
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