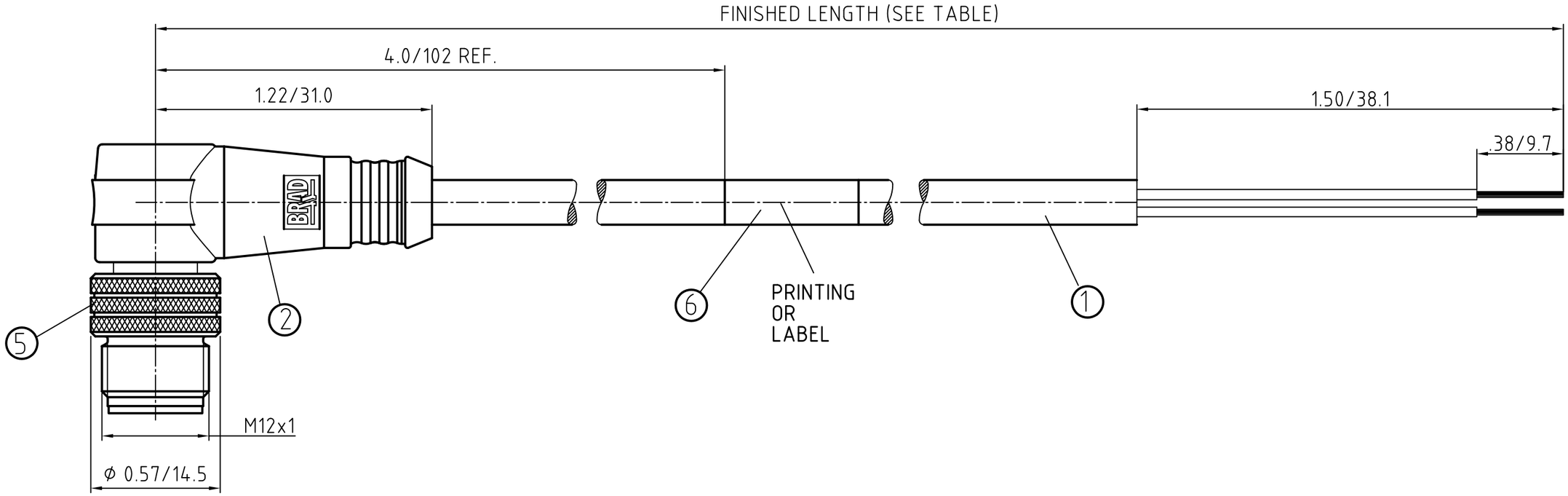
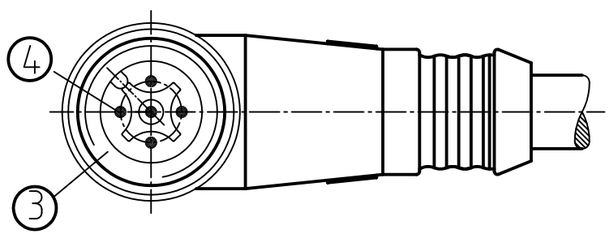
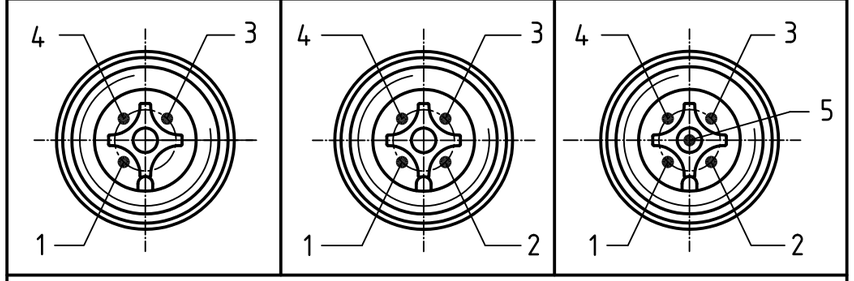




CONNECTOR SPECIFICATION:

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	-20°C TO 105°C
UL CERTIFICATIONS	UL RECOGNIZED, FILE NO. E152210
ASSEMBLY IS	RoHS COMPLIANT

ITEM	COMPONENT	MATERIAL	FINISH
6	LABLE	MYLAR	BLACK/YELLOW
5	COUPLER	BRASS	NICKEL PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	NYLON	BLACK
2	OVERMOLD	POLYURETHANE (PUR)	YELLOW
1	CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	JACKET: PVC	JACKET: YELLOW

MALE FACE VIEW		
3-POLE	4-POLE	5-POLE
		
WIRING DIAGRAM		
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY

DESCRIPTION
EC NO: WEU2010-0261
DRWN: LSTEMMLE 2010/01/13
CH'KD: RE ----
APPR: NSTAUDIG 2010/01/25
DESCRIPTION
REV 1

QUALITY SYMBOLS
▼ = 0
Ⓒ = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---
ANGULAR ± --- °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: ---- DATE: ----
CHECKED BY: RE DATE: 2010/01/14
APPROVED BY: NSTAUDIG DATE: 2010/01/25
MATERIAL NO.: SEE TABLE SHEET 2

MICRO-CHANGE CORDSET
3/4/5-P. M 90 SINGLE KEY
22/3-5 YELLOW PVC CABLE

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-120065-029
SHEET NO.: 1 OF 1

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
3	1200651497	803007A09M020	6.56' +3.5" -0 [2.0M +89 -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
4	1200651662	804007A09M020	6.56' +3.5" -0 [2.0M +89 -0]
4	1200651665	804007A09M040	13.12' +6.5" -0 [4.0M +165 -0]
4	1200651666	804007A09M050	16.40' +6.5" -0 [5.0M +165 -0]
4	1200651668	804007A09M060	19.69' +6.5" -0 [6.0M +165 -0]
4	1200651669	804007A09M100	32.81' +12.5" -0 [10.0M +318 -0]

POL	MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
5	1200651724	805007A09M020	6.56' +3.5" -0 [2.0M +89 -0]
5	1200651726	805007A09M040	13.12' +6.5" -0 [4.0M +165 -0]
5	1200651727	805007A09M050	16.40' +6.5" -0 [5.0M +165 -0]
5	1200651728	805007A09M060	19.69' +6.5" -0 [6.0M +165 -0]
5	1200652123	805007A09M100	32.81' +12.5" -0 [10.0M +318 -0]

DESCRIPTION
EC NO: WEU2010-0261
DRWN: LSTEMMLE 2010/01/13
CH'KD: RE ----
APPR: NSTAUDIG 2010/01/25
DESCRIPTION
REV
1

QUALITY SYMBOLS
▼ = 0
(C) = 0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±.01
1 PLACE	±0.3	±---
ANGULAR ± --- °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: ---- DATE: ----
CHECKED BY: RE DATE: 2010/01/14
APPROVED BY: NSTAUDIG DATE: 2010/01/25

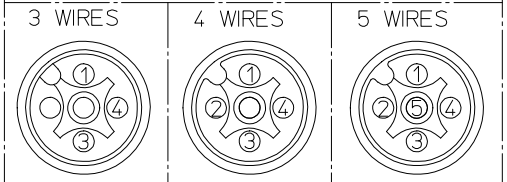
MICRO-CHANGE CORDSET
3/4/5-P. M 90 SINGLE KEY
22/3-5 YELLOW PVC CABLE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-120065-029
SHEET NO.: 1 OF 1
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

WIRING DIAGRAM M12 MALE:



3 WIRES

Pin	Wire color
1	Brown
2	-
3	Blue
4	Black

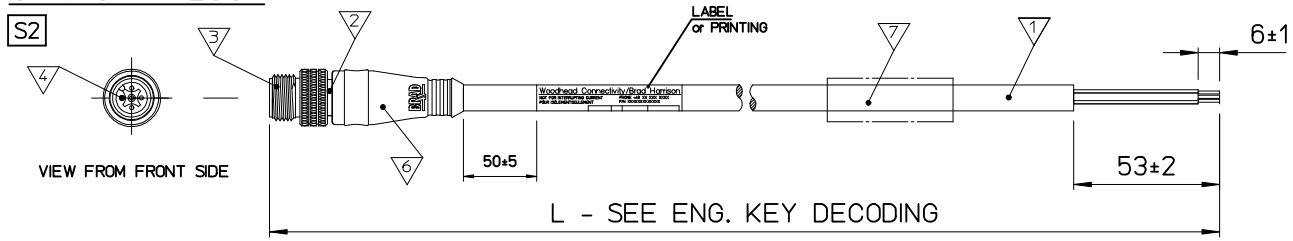
4 WIRES

Pin	Wire color
1	Brown
2	White
3	Blue
4	Black

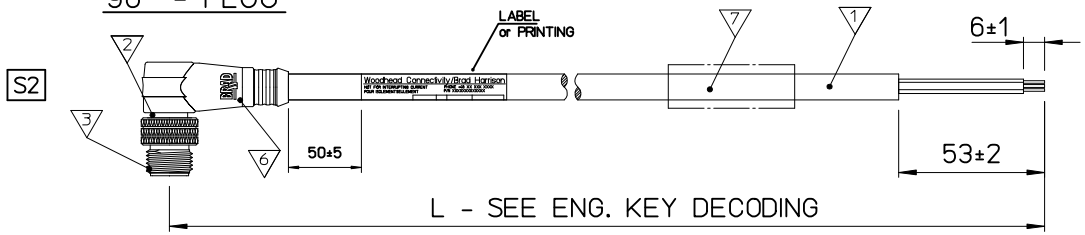
5 WIRES

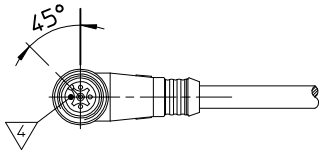
Pin	Wire color
1	Brown
2	White
3	Blue
4	Black
5	Grey

STRAIGHT PLUG



90° - PLUG





NOTES:

TEMPERATURE RANGE	-25°C/+80°C
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67

ENGINEERING P/N KEY DECODING:

8 0 X X X X 0 0 X X X X X

- Thread M12x1 single ended
- 3: Insert 3 ways P/N 1202050007
- 4: Insert 4 ways P/N 1202050008; Terminal P/N 1202050001
- 5: Insert 5 ways P/N 1202050136
- 006 Plug male straight; 007 Plug male 90° angle
- Cable types:
  - S20=SJTO Cable (3&4 wire) Yellow 0.34mm²
  - E02=PVC - Black 0.25mm²
  - E03=PVC - Black 0.34mm²
  - E52=PVC - Grey 0.34mm²
  - P02=PUR - Black 0.25mm²
  - P03=PUR - Black 0.34mm²
  - I02=CEI PVC - Light Grey 0.25mm²
  - I03=CEI PVC - Light Grey 0.34mm²
  - I20=CEI Screened PVC - Light Grey 0.34mm²
  - H08=PUR Black 0.25mm² LSZH UL
  - H09=PUR Black 0.34mm² LSZH UL
- Lenght unit: C-cm, M-m, K-km, F-feet
- Lenght: Value divided by 10 250—>25
- Coupling: blank and 3-standard P/N 1202070008; 1 stainless stal P/N 1202070025; 5-derlin P/N 1203290004; 7-teflon coat P/N 1202070023
- Plug material: blank-standard (black) P/N 0899921504 + P/N 0967550216; A-grey P/N 0899921504 + P/N 0967550211; Y-yellow P/N 0899921504 + P/N 0967550209; H-standard with ID carrier P/N 1203010001

Tablica tolerancji dlugosci
Table of lenght tolerances

Powyzej Over	Do-wlacznie Up to and including	Tolerancja (+) Tolerance
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% dlugosci of lenght

REV	DESCRIPTION
A	ORIGINAL RELEASE EC NO: IPG2014-0448 DRWN:HWALCZAK 2012/10/23 CH'KD:JMARSZALEK 2013/09/05 APPR:MIWASIECZKO 2013/09/05

QUALITY SYMBOLS: ▼=0 ▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: ---	DESIGN UNITS: METRIC	FIRST ANGLE PROJECTION
DRAWN BY: HWALCZAK	DATE: 2012/10/23	TITLE: CSE M12 XP AC MA XM SE	
CHECKED BY: JMARSZALEK	DATE: 2013/09/05		
APPROVED BY: MIWASIECZKO	DATE: 2013/09/05	molex	
MATERIAL NO.: MATRIX DRAWING		DOCUMENT NO.: SD-120065-054	SHEET NO.: 1 OF 1
SIZE: A3			

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.