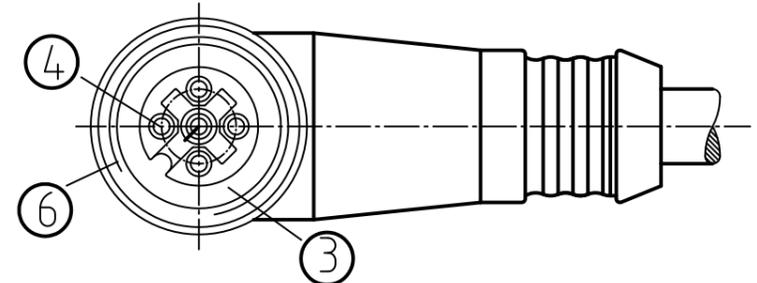
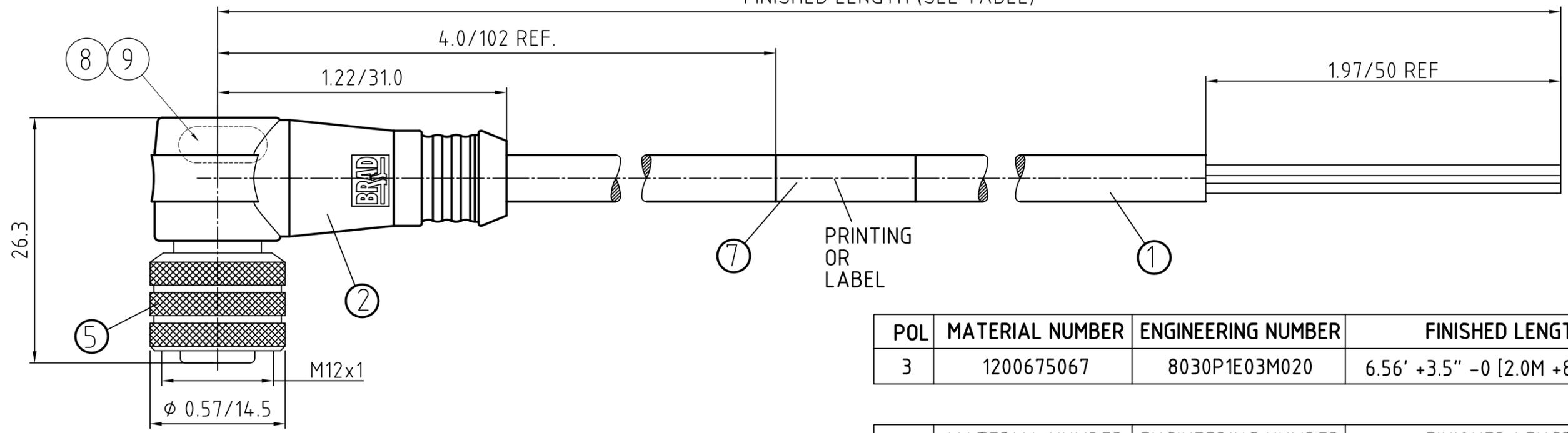
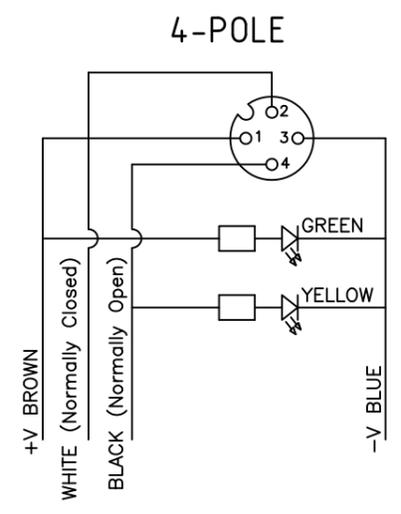
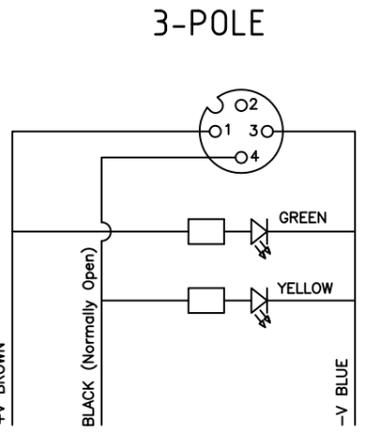


FINISHED LENGTH (SEE TABLE)



CONNECTOR SPECIFICATION:

VOLTAGE RATING	10 TO 30VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	FLEXING: -5°C TO +80°C STATIC: -30°C TO +80°C

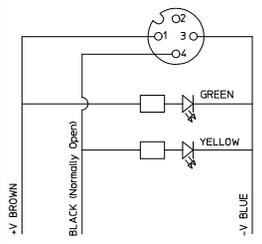


FEMALE FACE VIEW	FEMALE FACE VIEW
3-POLE	4-POLE
WIRING DIAGRAM	WIRING DIAGRAM
1 BROWN 2 NOT USED 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK

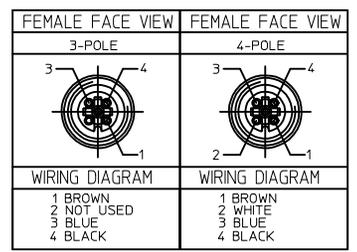
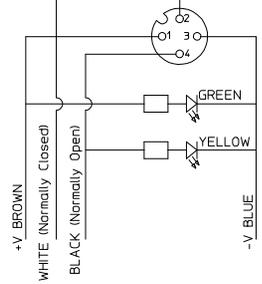
ITEM	COMPONENT	MATERIAL	FINISH
9	LED		GREEN
8	LED		YELLOW
7	LABLE	MYLAR	BLACK/YELLOW
6	O-RING	VITON	RED
5	COUPLER	BRASS	NICKEL PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	POLYURETHANE (PUR)	TRANSP.
1	CABLE- 22/3-5 (COPPER STRANDING) 3/4/5 CONDUCT. 300V	JACKET: PUR	BLACK

DESCRIPTION EC NO.: WEU2010-0318 DRWN: BBRAUCH 2010/02/03 CHK'D: NS APPR: NSTAUDIG 2010/02/05	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±0.1 1 PLACE ±0.3 ±--- ANGULAR ± --- °	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			IN/MM	2:1	METRIC		
				DRAWN BY DATE BBRAUCH 2010/02/03 CHECKED BY DATE NS 2010/02/04 APPROVED BY DATE NSTAUDIG 2010/02/04	MMC 3/4POL FE 90 PNP 22/4 BLACK PUR CABLE		
				MATERIAL NO. SEE TABLE SIZE A3	DOCUMENT NO. SD-120067-017		SHEET NO. 1 OF 1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

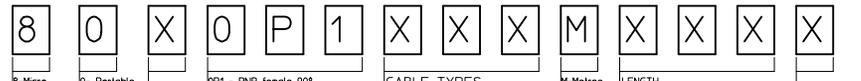
3-POLE



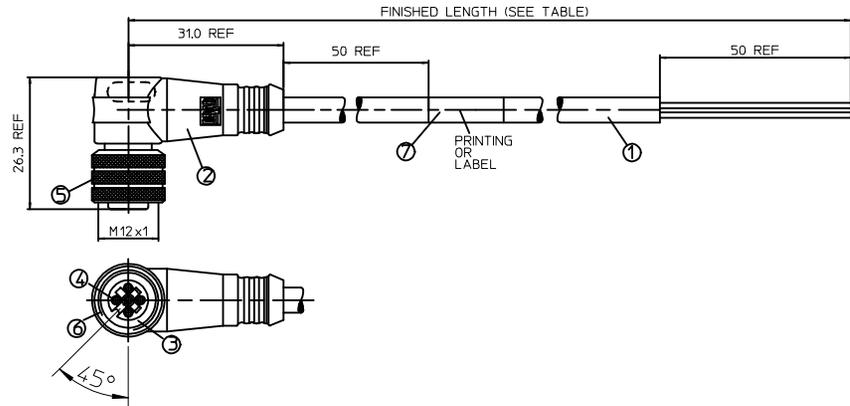
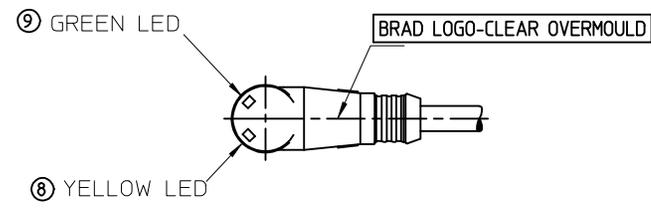
4-POLE



PART No MATRIX



- E02 = 0,25mm<sup>2</sup>, PVC black
- E03 = 0,34mm<sup>2</sup>, PVC black
- E13 = 0,75mm<sup>2</sup>, PVC yellow
- E52 = 0,34mm<sup>2</sup>, PVC grey (RAL7001)
- E57 = 0,34mm<sup>2</sup>, PVC grey (RAL7001)
- H09 = 0,34mm<sup>2</sup>, PUR black
- H69 = 0,2mm<sup>2</sup>, PUR grey LSOH SCR
- I02 = 0,25mm<sup>2</sup>, PVC grey CEI
- I03 = 0,34mm<sup>2</sup>, PVC grey CEI
- I20 = 0,34mm<sup>2</sup>, PVC grey CEI SCR DC
- I26 = 0,34mm<sup>2</sup>, PVC grey CEI SCR AC
- P02 = 0,25mm<sup>2</sup>, PUR/PVC black
- P03 = 0,34mm<sup>2</sup>, PUR/PVC black
- P08 = 0,25mm<sup>2</sup>, PUR yellow HIFLEX
- P20 = 0,34mm<sup>2</sup>, PUR black LSOH braid
- P82 = 0,34mm<sup>2</sup>, PUR orange irradiated DC
- S20 = 0,34mm<sup>2</sup>, PVC yellow SJTO braid
- S26 = 0,34mm<sup>2</sup>, PVC yellow SJTO braid AC



FRONT SIDE VIEW

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

CONNECTOR SPECIFICATION:

VOLTAGE RATING	10 TO 30VDC
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP67
OPERATING TEMPERATURE	FLEXING: -5°C TO +90°C STATIC: -30°C TO +90°C

ITEM	COMPONENT	MATERIAL	FINISH
9	LED		GREEN
8	LED		YELLOW
7	LABEL		
6	O-RING	VITON	RED
5	COUPLER		
4	PIN CONTACT	COPPER ALLOY	
3	INSERT	PUR	BLACK
2	OVERMOLD	PUR	NATURAL
1	CABLE	SEE TABLE	BLACK

ORIGINAL RELEASE  
 EC NO: IPG2013-1021  
 DRWN: HWALCZAK 2012/11/24  
 CHKD: JMARSZALEK 2013/01/14  
 APPR: MIWASIECZKO 2013/01/15

QUALITY SYMBOLS  
 ▽=0  
 ◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
**MM ONLY**

DRAWN BY: HWALCZAK  
 DATE: 2012/11/24

CHECKED BY: JMARSZALEK  
 DATE: 2013/01/14

APPROVED BY: MIWASIECZKO  
 DATE: 2013/01/15

MATERIAL NO.  
**SEE CHART**

SIZE  
**A3**

SCALE: METRIC

DESIGN UNITS: METRIC

FIRST ANGLE PROJECTION

TITLE: CSE M12 PNP XP AC FE RA XM SE

**molex**

DOCUMENT NO.: SD-120067-035

SHEET NO.: 1 OF 2

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

10 9 8 7 6 5 4 3 2 1

1200675067	8030P1E03M020
1200675059	8030P1E03M030
1200675060	8030P1E03M050
1200678020	8030P1E03M0501
1200678326	8030P1E03M050H
1200675061	8030P1E03M100
1200678259	8030P1E03M150
1200678021	8030P1E03M2005
1200675027	8030P1E52M020
1200675025	8030P1E52M050
1200675026	8030P1E52M100
1200678308	8030P1H09M020
1200678310	8030P1H09M050
1200678006	8030P1H09M050H
1200678311	8030P1H09M100
1200678007	8030P1H09M100H
1200675009	8030P1I03M020
1200675093	8030P1I03M025
1200678144	8030P1I03M030
1200675010	8030P1I03M050
1200678210	8030P1I03M060
1200675011	8030P1I03M100
1200678145	8030P1I20M020
1200678026	8030P1I20M060
1200675068	8030P1I20M120
1200678027	8030P1P03M003
1200678029	8030P1P03M010
1200678030	8030P1P03M0101
1200675069	8030P1P03M020
1200678031	8030P1P03M0201
1200678032	8030P1P03M030
1200678147	8030P1P03M030H
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1200678197	8030P1P03M075

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1200678234	8030P1P09M100
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1200675029	8030P1P82M020
1200675022	8030P1P82M050
1200678038	8030P1S20M010
1200678248	8030P1S20M0101
1200678039	8030P1S20M020
1200678040	8030P1S20M030
1200675012	8030P1S20M050
1200678192	8030P1S20M050H
1200678041	8030P1S20M100
1200678172	8030P1S20M1001
1200675013	8030P1S20M2001
1200678384	8040P1E02M100
1200678304	8040P1E03M010
1200675014	8040P1E03M020
1200675015	8040P1E03M030
1200678303	8040P1E03M040
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1200675073	8040P1E03M100
1200678258	8040P1E03M150
1200678282	8040P1E03M200
1200678309	8040P1H09M020
1200678312	8040P1H09M050
1200678008	8040P1H09M050H
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1200678306	8040P1I03M010
1200678044	8040P1I03M020
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1200675019	8040P1S20M1001
1200678053	8040P1S20M100H
1200678265	8040P1S20M200
1200675074	8040P1S20M2001

ORIGINAL RELEASE EC NO: IPG2013-1021 DRWN: HWALCZAK 2012/11/24 CHKD: JMARSZALEK 2013/01/14 APPR: MIWASIECZKO 2013/01/15	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION		
			mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	HWALCZAK	2012/11/24	CSE M12 PNP XP AC FE RA XM SE			
		3 PLACES	± ---	± ---	CHECKED BY	DATE				
2 PLACES	± ---	± ---	JMARSZALEK	2013/01/14						
1 PLACE	± ---	± ---	APPROVED BY	DATE						
0 PLACE	± ---	± ---	MIWASIECZKO	2013/01/15						
ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		molex DOCUMENT NO. SD-120067-035		SHEET NO. 2 OF 2		
				SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2 1